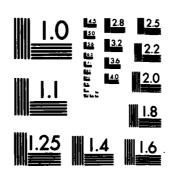


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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HECTOR AFT SANGE ID WBAI: #14914 N 46 54 W 096 48 FLD ELEV 899 FT FAR WHC #72753

PARTS A-F FOR FROM HOURLY CBS: JUN 73 - MAY 81

FOR FROM DAILY CES: JAN 48 - DEC 04, JAN 66 - MAY 81

TIME CONVERSION GMT TO LST: -6

JAN 1 1 1982

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### Review and Approval Statement

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This technical report has been reviewed and is approved for publication.

WAYNE E MCCOLLOM, Chief Technical Information Section USAFETAC/TST

FOR THE COMMANDER

WALTER S. BURGMANN AWS Scientific and Technical Information Officer (STINFO)

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REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
USAFETAC/DS- 82/001 AS-A/13/56	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (ind Subtitle)	5. TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Hector APT, Fargo,	Final rept.
North Dakota	5. PERFORMING ORG. REPORT NUMBER
AUTHOR/s,	8. CONTRACT OR GRANT NUMBER (3)
USAFETAC/OL-A	10. PROGRAM ELEMENT, PROJECT TASK AREA & WORK UNIT NUMBERS
Air Force Environmental Technical Appl. Center Scott AFB IL 62225	
USAFETAC/CBD OFFICE NAME AND ADDRESS	12. REPORT DATE
Air Weather Service (MAC)	11 JAN 82
Scott AFB IL 62225	400
14 MONITORING AGENCY NAME & ADDRESS(II dilletent from Controlling Office)	UNCLASSIFIED
	154 DECLASSIFICATION DOWNURAS NG SCHEDULE
OSTHIBUTION STATEMENT (of this Report)	
DISTRIBUTION STATEMENT (of the obstract entered in Block 20, if different in	om Report)
18 SUPPLEMENTARY NOTES	
19 KEY WORDS Continue on reverse aids if consister and identity by block numbers	
Snowfall Extreme snow depth Ext Climatology Sea-level pressure Psy	ospheric pressure reme surface winds chrometeric summary ling versus visibility (over)
This report is a six-part statisitical summary of Hector APT, Fargo, North Dakota It contains the following parts: (A) Weather Condi (B) Precipitation, Snowfall and Snow Depth (daily (C) Surface winds; (D) Ceiling versus Visibility; Summaries (daily maximum and minimum temperatures, temperatures, psychrometric summary of wet-bulb te dry-bulb temperature, means and standard deviation	tions; Atmospheric Phenomena; amounts and extreme values); Sky Cover; (E) Psychrometric extreme maximum and minimum mperature depression versus
DD 1 JAN 73 1473	ICLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (Phon Date Entered)

19. Percentage frenquency of distribution tables Dry-bulb temperature versus wet-bulb temperature Cumulative percentage frequency of distribution tables

North Dakota

Hector APT, North Dakota

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrance or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

to any observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

#### DAILY OBSERVATIONS

isily observations are detected from all data recorded on reporting forms and combined into Commany of the lay observations. (Celected from record-special, local, planary of the day, remarks, etc.)

#### **DESCRIPTION OF SUMMARIES**

recession each decide to a trief topeription of the mass comprising each part of the revised Uniform Culmmary of Jurface Weather Topervations and the manner of presentations less altalions are prepared from hourly and unity discreations recorded by stations operated by the U. C. Persides and some foreign stations spin cimilar reporting practices.

The consistential moter the following planaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All sammarles requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hoursy discretions: 0000-0000, 0000-0000, 0000-0000, 0000-1000, 1000-1700, 1000-1000, 2000-1000 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-nour periods for any particular month during the available period of record. Such missing sheets are listed telow, and are applicable to all summaries prepared from houriy observations.

JA 3UAH Y	APKIL	JULY	octobek
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

1491	ON SUMMARY S	ration name Fargo, North Dakota, He	ector Fld	N		ONGITUDE W 096 48	899 ft	FAR	1	72753
		STATION LOCAT	TION A	ND IN	ISTRU	MENT	ATION	HIST	ORY	
OF CATION	9	EOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS (	OCATION	LATITUDE	LONGITUBE	ELEVATION FIELD (FT)	OBS PER DAT	
	establis	uni Apt, Fargo ND hed Jul O1, 1934 pt, Fargo ND	WBAS Same Same Same Same Same	20 Dec36 Nov 53 Aug 57	20 Dec 36  Nov 53 Aug 57 Dec 64 07 Apr65 Jan 80 May 81	46 54 N Same Same Same Same Same Same	O96 48 W Same Same Same Same Same Same	Same Same 900 ft Same Same Same	899 ft 913 ft 912 ft Same 911 ft Same NA	24
UMBER	DATE	SURFACE	WIND EQUIPMENT	INFORMATION						
OF OCATION	OF CHANGE	LOCATION	<u>-</u> -	TYPE OF TRANSMITT	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS. AD	DITIONAL EQUIP	NENT. OR REAS	ON FOR CHANGE
	Jan 48 to	Located on roof		anemor	neter N	47 ft				
	Oct 53 Nov 53 to 25 Jun61	Located on Tower		F420B	. NA	86 ft	:			
	26 Jun61 to 10 Mar63	Located 1800 ft NNW of adm Bldg		F420C	NA	20 ft				
	11 Mar63	Located 1500 ft NW of		Same	NA	Same				

USAFETAC FORM NOV73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

MBER	DATE	SURFACE WIND EC	DUIPMENT INFORMATION			COMPANY OF STREET
JF JATION	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
	Dec 68 15 Dec69	Located on Field Located on Field	F420 F420	NA F312	20 ft 20 ft	gust recorder commissioned
İ	25 Mar81	Same	Same	Same	Same	•
						•
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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART A

### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By mouth, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glase) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

A

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

AL CLIBATOLOGY BRANCH STELTAG AL SENTHER SERVICEZHAG

# **WEATHER CONDITIONS**

14	HLCTOR	APT	FARGO	Nυ
STATION			STATION	NAME

74-61

JAV

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
بالبال	J <b>u-</b> 0.			1.5	25.0		25.7	5.6	• 2	8.6	. 4	14.5	744
	13-05			.9	25.7	<del> </del>	26.3	5.2	. 4	5.6	<b>,</b> u	14.1	744
	u6-Ja			• 4	24.4	. <u> </u>	24.8	7.4	. 4	10.5	.4	18.3	743
	29-11			. 4	23.3		23.7	10.2	1.3	11.5		22.4	744
	12-14		.4	. 4	22.2		22.6	7.9	.7	14.1	1.1	22.4	744
	15-17			1.1	19.0		19.7	6.7	• 3	11.6	1.3	16.5	743
	18-25		•1	• 3	24.9		25.4	4.2		ۥ7	• 9	12.7	744
	21-23		•1	• 8	25•ù		25.5	5.8	• 1	7.5	• 7	13.4	744
				,		<del> </del>		. <u> </u>					
<del>-</del>													
TOTALS			• 1	• 8	23.7		24.2	6.6	.4	10.2	.8	17.1	<b>5</b> 950

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

L AL CLIMATOLOGY PRANCH S TAC FATHER SERVICE/MAC

### **WEATHER CONDITIONS**

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	 51/	ATIO	ON

HECTOD APT FARGO NO STATION NAME

74-81

VEARS

MONTH

PERCENTAGE EPEQUENCY OF OCCURPENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO: OF OBS:
۶ <u>۲</u> ; ,	10-27		. 4	• 7	24.9		25.8	<b>3•</b> 3	• 3	5.2		1	675
	13-05		• 4	.6	27.6		20.3	ب، و		5.5		11.4	57F
	U6+03		• 4	. 4	28.2		28.5	8.4		5.2		13.6	578
	.9 <b>-11</b>		•1	.7	25.8		27.3	11.8	• 3	8.4	• 4	17.0	4.70
	12-14		•6	. 9	21.4		22.1	5.8	1.9	10.6	-4	17.1	678
	15-17	• 1	. 4	1.0	17.0		18.1	4.1	• 9	€ • 3	. 1	14.2	678
	18-20				18.5		18.6	4.3	• 6	5.3	• 6	13.2	678
	31-23		•1	• 3	21.8		22.0	3.7	• 1	4.4		8.0	675
TOTALS		•0	• 3	•6	23.3		23.8	6.2	.4	6.6	•3	13.3	5424

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USAFETAC ANT 04 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# **WEATHER CONDITIONS**

1	ì +	HSCTOR	APT	FARGO NE	74-61	u 4 -
	STATION			STATION NAME	YEARS	HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
·* ,, =	0-02		2.7	• 5	12.5		15.5	6.9		1.5		₹•5	744
	03 <b>-</b> a5		3.5	• 5	13.6		17.1	9.6		2.4	! !	11.3	744
	6-05	.1	2•3	• 5	13.3		16.3	12.6	• 1	2.4		15.1	744
	19-11		3.7	• 7	13.8		16.5	16.5	_ •6	3 • 4	• 3	14.9	744
	12-14		3.0	. 9	12.9		16.1	7.8	1.2	3.2	• 8	12.5	744
	15-17		3.1	• 5	12.5		16.5	7.0	1.3	2.4	• 9	11.8	744
	16-20		3.0	1.2	12.4		15.9	6.7	1.7	2.6		12.6	744
	21-23		3.1	• 3	13.3		15.2	6 • 2	• 3	2•[		ë• <b>.</b>	743
TOTALS		•0	7.1	• 7	13.1		16.3	8.3	•7	2.0	•2	11.5	5951

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USAFETAC ,	ULY 64	0-10-5(OL	A), MEYIOUS ED	ITIONS OF THIS PO	DRM ARE OBSOLETE				
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### **WEATHER CONDITIONS**

		·	. 5.5
STATION	STATION NAME	74-81 YEARS	A P S
SIATION	STATION NAME	ISANO	<i></i>

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND, OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
. د	·c-62	. 4	A . 3		3.8		11.7	7.1	• 1		.4	7.5	720
	3-03	.4	5.1	} 	4.6		12.1	7.1			• 3	7.4	720
	16-03	• 6	7.6	•1	4.4		12.2	12.2		• 5	• 3	13.1	720
	3°-11	. 1	7.6	• 1	3.9		11.4	9•8	1.5	1.3	1.1	11.9	725
	12-14		t; <b>• 9</b>		3 • 3		11.5	6.4	• ti	• 6	1.1	₹.5	720
	15-17	.1	0.1		2.1		10.3	4.4	.4		1.5	5.3	723
	18-21	• 3	,.9		1.5		11.7	5.0	. 7			5.7	720
	11-23	.7	10.8		2.6		13.2	5.1	• 3		•1	5.4	720
								-					
TOTALS		• 3	υ•7	•6	3.3	• 0	11.7	7.0	.4	• 3	•5	6.2	5760

GRIGINAL DATA RECOPDED IN SYNOPTIC CODE

USAFETAC ALT 44 0-10-5(QL A), MENIOUS SOMICHS OF THIS PORM ARE DISSOLETE

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JEL AE BLIMATOLOGY BRANCH PRETAC AI - CATHER SERVICE/MAC

### **WEATHER CONDITIONS**

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1	1 4	MICTOR APT FARGO NO	74-01	
-	STATION	STATION NAME	YEARS	-

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER TOWNS FROM HOURLY COSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING \$NOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
мау	UD-02	• 9	6.3		• 7		9.0	3.1	. 4			3.5	744
	J3-65	. 4	9.0		• 4		9.3	5.6	• 1			5.9	744
	SE-03	• 3	3.7				8.7	7 • 1	• 6			8.1	744
	19-11		7.0		• 1		7.1	3.4				7.4	744
	12-14	•3	3.€				5.3	3.0	1.1		• 1	3.0	744
	15-17	• 8	6.6				6.5	2.3	• 3		•1	2.5	743
	13-23	1.3	7.7				7.7	2.3	.8			3.1	741
	71-23	2.4	13.7		•3		10.9	• 9	•1		• 1	1.2	740
<del></del>													
TOTALS		• 8	8.5		• 2	<del></del>	8.1	3.5	•5		.:	4 • C	5044

OWIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC	PORM JULY 64	0-10- <b>5(Q</b>	L A), PREVIOUS	LEDITIONS OF THE	IS FORM ARE OSSO	AETE	Þ			
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LE LAL CLIMATOLOSY BRANCH

AT STATHER SERVICEZMAC

# **WEATHER CONDITIONS**

1 1 1	18 CTOR APT FARGO NU	73-60	JU.,
STATION	STATION NAME	YEARS	HTMOM

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONCITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
J.N	00-77	2.5	e • 3				6.3	٤.	• 1		• 1	1.1	720
	03-05	2.4	6.7				6.7	4.4				4.4	720
	U5 <b>+</b> 3∉	2.4	7 - 1				7.1	5.3	• 7			5.5	725
	_e-11	1.5	್•1				8.1	1.7	_ • 7		•1	2.5	720
	12-14	1.4	_6.5				6.5	• 6	• 1			.7	720_
	15-17	1.7	6.5	_			6.0	_ 4				.4	720
	18-23	2.2	6.3				6.3	• 7	3		- 1	1.1	720
	_1-23	2.8	6.3				5.3	• 3				• 3	720
<u> </u>							-	·					
TOTALS		2.1	6.7				6.7	1.8	•2		•0	2.0	5767

OPIGINAL DATA PECORDED IN SYNOPTIC CODE

USAFETAC	PORM ALLY 64	0-10-5( <b>GL</b>	A), menou	S CONTIONS OF T	HIS PORM ARE (	DESCLETE				
 		*****			·		 	 	· · · · · · · · · · · · · · · · · · ·	 
				-						

SE SAL CLIMATOLOGY BRANCH STAFETAC AL SEATHER SERVICEZMAC

# **WEATHER CONDITIONS**

1 14	HECTOR APT FARGO NO	73-80	JUL
STATION	STATION NAME	YEARS	HYMOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF REATHER CONCITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	u <b>0−</b> 0.	2.3	3.6			• 1	3.6	• 9	• 3			1.2	744
	J3-05	2.4	4.2				4.2	4 • 3	• 3			4.6	744
	G6-03	1.3	4.3			• 1	4.8	5.9	2.6			6.9	744
	39-11	1.3	3.6				3.6	1.3	3.2			4.3	744
	12-14	1.2	3.1				3.1	• 3	1.6			1.9	744
	15-17	2.4	5•೧				5.3	• 9	1.3			2.3	744
	18-20	1.1	<b>4 •</b> C				4.3	. 7	1.1		•1	1.9	744
	21-23	2.4	2.7				2.7	• 4	•9			1.3	744
		_											
TOTALS		1.8	3.9			.0	3.9	1.8	1.3		نا •	3.1	5°52

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC FORM ARY 64 0-10-5( $\Omega$ L A), PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

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# **WEATHER CONDITIONS**

1 14	HECTOR ART FARGO NO	73-80	A to C
-			= = = = = = = = = = = = = = = = = = = =
STATION	STATION NAME	YEARS	HTHOM

# PERCENTAGE FREQUENCY OF OCCUPRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUF	JD~0?	1.3	5.5				Ş.5	2.8	• 1			3. 3	744
	u3−35	2.4	5.3				0.3	7.1				7.1	744
	36+95	1.7	6.7				5.7	11.2	• 7			11.8	744
	09-11	.9	5.8				5.8	<b>6.</b> 0	• 7			6.6	744
	12-14	1.1	7.7				7.7	3.0	1.5			4.3	744
	15-17	1.3	<b>4.6</b>				0.6	2.6	• ∂			2.5	744
	18-20	2.7	6.5				6.5	1.3	1.3		•1	2.5	744
	21-23	2 • 4	4.8				4.8	• 7	• 7			1.3	744
<del></del>													
TOTALS		1.7	6.5				6.5	4.3	•7		•0	5.0	5952

ORIGINAL DATA PECORDED IN SYNOPTIC CODE

USAPETAC ROM 0-10-5(QL A), regylous aprilons of this folial ass obsolete

JEST AL CLIMATOLOGY BRANCH SYSTETAC AL SEATHER SERVICE/MAC

# **WEATHER CONDITIONS**

1 - 14	PLOTOR APT FARGO NO	73-60	SEP
STATION	STATION NAME	YEARS	HTHOM

PEFCENTAGE FREUUENCY OF OCCUPRENCE OF WEATHER CONCITIONS FROM HOURLY OBSERVATIONS

HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	rog	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
J <b>0-</b> 3_	• ઇ	4.6				4.0	3.6				3.6	720
:3-35	.6	4.0				4.9	4.9				4.9	720
€6 <b>-</b> 90	. 7	6.6				8.6	7.6	.4			5.1	720
29-11	1.0	8.5			L	8.5	5.3				5.3	720
12-14	• 3	7.2				7.2	2.5				2.5	720
15-17	.4	1.2				7.2	2.2				2.2	720
18-20	• 7	6.1				8.1	3.2	• 1			3.3	722
21 <b>-</b> 23	• 7	6.1				6.1	2∙8				2.5	720
					<u> </u>							·
												5760
֡	(LST.)  UB-3_ :3-0!  E6-0%  09-11  12-14  15-17  18-20	(LS.T.) STORMS  UB-36  UB-36  UB-37  109-11 1.0  12-14 .3  15-17 .4  18-20 .7	HOURS (I.S.T.) THUNDER: AND/OR DRIZZLE  08-31	HOURS (I.S.T.) THUNDER STORMS AND/OR DRIZZLE  DB-3_	HOURS (I.S.T.) THUNDER: AND/OR DRIZZLE AND/OR DRIZZLE AND/OR SLEET  UB-01	HOURS (I.S.T.) STORMS AND/OR PAIN & /OR AND/OR SLEET HAIL  UB-01	HOURS (I.S.T.)   THUNDER   AND/OR DRIZZLE   RAIN & /OR SLEET   HAIL OBS WITH PRECIP.	HOURS   THUNDER   STORMS   AND/OR DRIZZLE   RAIN & /OR SLEET   HAIL   OBS WITH PRECIP.   FOG	HOURS   THUNDER   STORMS   ORIGINAL   ORIGINAL   ORIGINAL   FOG   AND/OR   HAIL   ORIGINAL   FOG   AND/OR   HAZE	HOURS   STORMS   AND/OR   RAIN & /OR   AND/OR   SLEET   HAIL   ORS WITH   FOG   AND/OR   HAZE   SNOW	HONGE   STORMS   AND/OR   RAIN # /OR   AND/OR   SLEET   HAIL   OBS WITH   FOG   AND/OR   RAIN   AND/OR   SAND	HOURS   THUNGER   AND/OR   RAIN 5.0R   AND/OR   SIZET   HAIL   OSS WITH   PROG   AND/OR   RAIN S.OR   SAND   TO VISION

GRIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC	JULY 64	0-10-5( <b>QL</b>	A), PREVIOUS EDITION	OF THIS FORM ARE O	BSOLETE			
			•					

LE ME CLIMATOLOUY RAANCH -- CTAC A. EATHER SERVICE/MAC

### **WEATHER CONDITIONS**

1	1 4	MECTOP ART FARGO NO	73-85	೨೦೯
	STATION	STATION NAME	YEARS	HTHOM

# PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
341	00-03	•1	ن و ده		. 7		6.7	3.1	Ē			3.0	744
	3=05		5.6		1.2		6.9	4.8	.4			5.3	744
	06 <b>-</b> 08		5.0		1.1		5.9	8.1	. 5			8.0	744
	.,9-11		5.4		2.2		6.9	7.4	1.2			8.2	744
	12-14	• 3	7.4		2.4		8.6	5.6	1.2		.4	7.3	744
	15-17	. 1	0.7		1.2		7.9	5.6	• 3		.4	6.2	744
	18-20	•1	7.1		2.6	• 1	8.6	4.6	•1		• 4	5.1	743
	.1-23	•1	5.6		2 • 4		7.1	1.6	.4	. 4	.1	2.6	744
TOTALS		• 1	5.1		1.7	•0	7.3	5.1	•6	.1	• 2	5.9	5951

SHIGINAL MATA MECORDED IN SYNOPTIC CODE

	USAFETAC	ARY &s	0-10-5(QL	. A), remout	SOMONE OF TH	NS FORM ARE CO	eortie				
·								 	 	<b></b>	

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### **WEATHER CONDITIONS**

1 1-	H. CTOP	APT	FARGO DE	
40.00				-

73-65

N J v HTMOM

PLICENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND OR CRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
40	. <b>10</b> +0 1		1 • 4	1.1	14.0		15.3	6 • 8	• 1	1.9		8.9	720
	J2-05		5	. 4	14.3		15.7	6.1	• 1	2 • 1	· · · · · · · · · · · · · · · · · · ·	8.2	725
	56-5°		2.5	. 0	13.9		10.1	7.6	• 1	1.0	• 1	3.9	720
	,0-11		2.4	• 3	13.9		15.7	11.1	• 8	1.9	.4	14.2	720
	12-14		1.9		11.5		12.2	7.4	• 3	2.1		7.7	720
	15-17		2.2	.4	9.9		11.4	4.9	• ೮	2.1		7.8	720
	15-20		1.4	.7	12.5		13.5	4.2	• 4	1.7		5.3	720
	21-23		1.3	•7	14.0		15.6	4.9	• 4	1.7	··	7.0	719
TOTALS			د.،	•5	13.3		14.8	0.6	.4	1.5	•1	2.9	5759

ORIGINAL DATA PECORDED IN SYNOPTIC CODE

USAFETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DE PAL CLIMATOLOGY BRANCH DESCRIPTION SERVICE/MAC

# **WEATHER CONDITIONS**

1 1-	HICTOR APT FARGO ND	73-8"	_J[::
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONCITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
בבכ	30-07		• 3	1.9	19.5		21.5	11.3	• 3	3.5		15.1	744
	9 <b>3-</b> 05		• 5	2.2	18.3		23.7	13.4	. 4	2.7		16.5	744
	06-05		• 5	2.2	27.7		23.5	14.4		4.3	! <del></del>	13.4	744
	59-11		• 5	1.3	25.3		27.0	16.3		4.6	··	20.8	744
	12-14		• 8	.9	23.0		24.5	12.2	•5	5 • 8	•1	16.5	744
	15-17		1.3	1.1	18.3		20.3	12.4	.4	5.0	. 8	18.5	744
	13-23		.7	1.1	10.1		19.6	9.9	•1	3.5	.4	14.3	744
	_1-23		•1	2.0	17.9		19.6	9.4		3.3	· · · · · · · · · · · · · · · · · · ·	13.,	744
<del>.</del>													•
TOTALS			.7	1.6	20.1		22.1	12.4	•2	4.1	• 2	10.9	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CCDE

USAFETAC	PORM JULY 64	0-10-5(OL A	(), reevious epinoi	46 OF THIS PORM ARE C	DESCUETE				
 						 	 ·	 	

SCHAE CLIMATOLOGY BRANCH TAFETAC ATATHER SERVICE/MAC

# **WEATHER CONDITIONS**

1 19 HECTOR ART FARGO NO STATION NAME

81

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF REATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMUKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
.) À '.	ALL		•1	ن •	23.7		24.2	6.6	. 4	10.2	• 8	17.1	5950
FEC		.3	•3	•6	23.3	<u> </u>	23.8	6.2	• 4	5.6	• 3	13.0	5424
44.1		•0	3.1	• 7	13.1		15.3	8.3	.7	2•6	• 2	11.6	5951
APK.		. 3	€.7	.5	3.3	•0	11.7	7.C	.4	• 3	•5	ۥ2	5760
44 Y		• 8	0.8		• 2		3.1	3.5	• 5		•3	4.3	5744
Ju"		2.1	6.7				6.7	1.0	2		• 0	2.2	576C
JUL		1.8	3.9			• 0	3.9	1.8	1.3		•0	3.1	5952
20A		1.7	6.5				6.5	4 • 3	• 7		•0	5.3	5952
م ن		• 6	0.9				6.9	4.6	- 1			4.1	5760
3(1		-1	5.1		1.7	• 0	7.3	5.1	• 6	• i	•2	5.9	5951
Nov			0.0	• 5	13.G		14.8	6.6	. 4	1.8	• 1	8.9	5759
ar c			•7	1.6	26.1		22.1	12.4	•2	4.1	•2	16.9	5952
TOTALS		. 6	4.4	. 4	8.2	• C	12.7	5.6	• 5	2.1	•2	8.3	70115

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949.

  Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

OLYMAL CLTHATOLOGY PRANCH PRANCH ATH LEATHER SERVICE/MAC

ATMOSPHERIC PHENOMENA

1:314 F. CTOR APT FARGO NO

40-64, 66-81

ALL

STATION

STATION NAME

HTHOM

# PERCENTAGE OF DAYS WITH VAPIDUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JA.	DAILY		ć, <b>.</b> 4	6.1	6 ა • 5	-	70.4	22.5	7.1	34.5	• 6	51.2	1923
57.		• 1	1 - • 3	6.1	59.9		63.2	26.1	7.9	23.7	• 3	45.c	921
4 1 m		.9	17.2	5.8	47.9		55.2	27.5	6.3	12.5	• 5	39.5	1023
APP		4.0	36.1	1.2	22.4	• 7	49.9	20.0	3 • 3	3.4	• 5	24.2	990
×14		12.2	45.1		3.4	1.2	49.5	18.4	2.2	• 2	•1	19.3	1023
J		25.2	53.1			2 • 1	53.1	16.6	2.4			17.2	960
JÆ		27.3	47.4			1.3	47.4	12.2	2.9			13.5	9 <b>9</b> 2
8.		20.9	44.7			1.7	44.7	17.3	4.2		• 1	19.5	992
3 <u>5</u> F		9.9	43.6		• 3	• 2	40.6	17.6	1.9			16.3	963
COL		2.7	32.2	. 7	10.6	• 1	37.0	17.3	5 • 1	6		23.1	987
NCV		. 3	19.0	5.9	41.2		50.4	21.6	5 • 3	6.7		28.6	949
DIC		.1	12.7	11.7	62.4		65.5	29.8	5 • 8	21.7		48.6	991
TOTALS		8.6	30.8	3.3	26.4	• 6	52.3	20.6	4.5	8.6	• 2	25.9	11611

USAFETAC POINT 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART B

### PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and amount. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY	PRECIPITATION	".00"	equals	none	for	the	month	(hundredths)
EXTREME DAILY	SNOWFALL	".0"	equals	none	for	the	month	(tenths)
EXTREME DAILY	SNOW DEPTH	"o"	equals	none	for	the	month	(whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES:
- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

### Air Force Stations:

### U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

2 SECBAL CLIMATOLOGY BRANCH HICAFITAC 3 AIT HEATHER SERVICEZMAC

# **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF

POECIPITATION

(FROM DAILY OBSERVATIONS)

STATION HECTOR APT FARGO NO.

-64. 66-81

YEAR

						AM	OUNTS (II	NCHES)						PERCENT		MONT	THLY AMO	UNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	26- 50	.51-1.00	1.01.2.50	2 51 - 5 .00	5.01-10.00	10.01-20.00	OVER 20.00		TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5 3 4	3 5-4.4	4 5-6.4	6.5-10.4	10.5-15.4	15 5-25 4	25.5-50.4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LFAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25-36	37-48	49-60	41-120	OVER 120	AMTS				
JAN	29.3	42.3	6.5	12.0	4.8	3.2	1.3	• 4						28.2	1023	• 60	1.36	• 59
FEB	36.9	33.3	7.2	10.0	4.1	1.9	1.3	• 3				1		24.3	932	• 46	1.74	.33
MAR	43.0	33.2	4.9	7 • 5	2.8	4.4	2.2	1.0	• 1					22.9	1023	. 94	2.21	• ü3
APR	50 <b>.1</b>	21.4	3.5	7.2	4.6	5.9	3.7	2 • 8	. 7			1	1	28.5	990	1.79	4.14	•02
MAY	50 <b>.</b> 5	18.4	3.2	7.7	4.7	6.2	4.6	3.6	1.0	• 1				31.1	1023	2.33	7.30	•46
JUN	46.4	18.6	3.0	7.1	4.7	6.8	7.0	4.4	1.1	. 4			1	34.5	ت 96	3.37	9.40	• 58
JUL	52.6	16.7	4.0	6.4	<b>3 .</b> 8	6.1	4.0	3 . 3	2.4	• 5			1	30.6	992	3.28	8.42	• 4 2
AUG	5 <b>5 • 3</b>	16.5	3 • 5	6.7	3.0	5.7	4.6	2 • 5	1.9	•1				23.1	992	2.51	6.46	. 38
SEP	50.4	15.4	3 • 5	6 • 4	4.6	5.0	2.6	2 • 2	.7	• 2				25.2	960	1.76	6.13	.13
ост	52.8	17.3	2.9	4.5	2.7	• •	2.1	1.9	.7					19.9	992	1.33	4.42	-28
NOV	49.9	32.0	3.3	6.5	2.1	3.6	1.4	. 7	• 5					18.1	960	.78	4.58	.04
DEC	35.0	39.2	5 • 8	9.4	4.8	4.1	1.1	• 5			, ,			25.8	992	• 6 3	2.19	.34
ANNUAL	47.9	25.7	4.3	7.6	3.9	4.8	3.0	2.3	•8	•1				26.5	11839	19.37	$\times$	$\times$

1210 WS JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

JERAL CLIMATOLOGY BRANCH TAFETAC AT REATHER SERVICE/MAC

### **EXTREME VALUES**

PRECIPITATION

FROM DAILY OBSERVATIONS

1 1+ MECTOR APT FARGO NU 48-64 66-81
STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP	ост	NOV	DEC	ALL MONTHS
4.5	• 33	• 57	.28	1.14	•55	1.69	1.58	•25	• 36	•29	•31	•11	1.69
49	•68≉	•21.	.23	022	,99	.88	1.63	-61	21.	1.12	. 20	67.	1.63
50	• 32	•12	1.07	. 34	1.17	. 94	•16	.16	• 5 9	• 48	•25	.16	1.17
<u> </u>	<u>•15</u>	• 5.7	• 32	• 23.	.64	<u>•78.</u>	1.86.	1.53	.37.	.62	24	.52,	1.86
52	.57	•10	.27	.18	.24	•53	3.93	1.73	•15	•05	1.25	•10	3.93
. 5 3	_ •11_	• 21	•17	1.04	• 70	2.05	• 39.	1.30	.44	. 24.	48.	23	2.05
54	•12	.01	.27	• 38	• 35	• 92	•85	1.06	1.13	• 25	.05	-16	1.13
5.5	• 75	• 42	•17,	• 11	.66	• 5 G	1.67	.28	<u>• 4 D</u>	13	17.	•25	1.67
5 t "	.27	•13	• <b>5</b> 8 <sup>1</sup>	• 8 <b>5</b>	.87	.81	1.36	•58	.60	•65	.71	•09	1.36
57	• 79	•10	<u>. 34;</u>	.90	.64	2.77	1.01	.66	3.37.	93.	. 63	•D3	3.37
5.3	• 56	• 06	•01:	• 54	• 35	1.16	2.70	1.77	• 23	•59	•52	•02	2.70
59	•11	• 39	• J6	• 25	.93	1.51	2.18	1.19	. 33	.78	.19	29,	2.18
6.3	• 35	• 0 3	• 0.3	1.61	.69	•62	1.39	1.68	• 59	1.06	1.62	.73	1.68
61	• 351	• 35	. 34	. 34	93.	.50	1.05	1.00	1.46	.65	.02	<u> 15</u>	1.48
62	.28	• 35	. 34	• 49	1.50	1.15	1.72	1.69	.81	• 59	•26	•09	1.72
53	• )4	.14	.14	1.69	1.16.	.54	-16.	2.10	<u>• 28,</u>	-18	.12	.15	2.10
6 <b>4</b>	• 27	•10	.41	1.46	.39	2.69	• 35	1.51	• 49	• C 8	•52	• 28	2 • 69
f. 6 🖐	• 31	•13	.67	.74	• 5 5	.72	1.55	1.19	.24	-71	.07,	18	1.55
67	• 35	• 34	• 15	• 96	• 5 7 <sub>i</sub>	• 9 0	• 25°	. 16	.10	• 5 3	.01	•57	. 96
6	•13	.12	.64	. 91	• 4 5	.82	• 70	• 58	.49	.72	. 14	•2°	91
69	. 28	• 13	• 33	1.05	.98	• 9 9	2 . 85	•31	. 84	.43	•09	.21	2.85
<u>7</u>	• 32	• 05	.85	1.02	.81	.94	• 24	.85	2.86	• 25	.38	.24	2.86
71	. 39	• 28	•25	•61	1.15	.78	.76	<b>.</b> 2 3,	2.15	1.37	- 56	•13	2.15
72	•57	• 18	• 35	.57	1.38	.25	1.05	• 96	. 87	.37	•11	.63	1.38
73	• 0.6∤	• 06	•8 <i>2</i>	• 30	•60	. 42	1.03	1.65	2.07	.86	. 35	•42	2.07
74	•10	• 09	•22	1.00	1.05	.37	2.95	2.78	.10	1,60	.46	•09	2.95
75 🚶	•22	• 07	.64	• 5 9	•51	2.78	.99	1.20	.85	.78	. 31	•09	2.78
76	• 33	• 26	.42	. 34	. 34	.46	• 30	.13	. 45	.14	.17	<u>. 36</u>	. 46
77	• 2 🗆	.73	• <b>7</b> 0	• 31	4.02	. 5 9	3.06	• 9 5	1.00	1.52	1.50	.49	4.02
7 -	• 34	. 39	.24	• 35	. 44	2.41	1.45	1.94	. 25	C8	.66	.23	2.41
MEAN													
S D				I						· · · · · · ·			
TOTAL OBS		T				Ţ	I	1	I		i		

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

OL RAL CLIMATOLOGY BRANCH SAFETAC AT WEATHER SERVICE/MAC

# **EXTREME VALUES**

PRECIPITATION

FROM DAILY OBSERVATIONS

STATION HECT IR APT FARGO NO STATION NAME

48-64+ 66-81 YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN,	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP	ост	NOV	DEC	ALL
7 -	•14	•41 •22	•59 •27	.83	•43		2.03	.30 1.81	•22 1•33	1.73		•12 •09	2.01 1.81
51	• 13	.23	•28	• 31	1.63								
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MEAN	.226	.193	. 368	.666	.850	1.080	1.357	1.067	.802	.642	• 398	.248	2.064
S. D.	.177	.176	.257	.441	.671	.718	.970	.683	.799	.463	. 398	.196	.847
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	96Q	992	11839

NOTE # (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

LLUBAL CLIMATOLOGY BRANCH LIMETTAC AT HEATHER SERVICE/MAC

FROM DAILY OBSERVATIONS

1 14 MLCTOR APT FARGO NO STATION NAME

48-64 66-81 YEARS

### TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL	AUG	SEP	ост	NOV	DEC	ALL MONTHS
4.	•77	1.60	.87	2.44	1.05	4.57	4.10	8.9.	.85	•53	.76	.37	18.79
44	1.24#	•53	36.	12.	3.54	2.72	4.95	1.19	36.	2.76	. 79.	1.31.	+19-77
55	1.36	.26	2.21	1.79	5.00	2.29	.42	.42	1.54	.99	.50	.60	17.38
5.1	• 45	.72	. 85	.46	1.63	2.36	3.77	5.64	<u>.79.</u>	1.69	.70	2.19.	21.25
5.2	1.07	• 30	.68	. 24	.47	2.03	8.42	2.69	•15	•38	1.67	.47	18.27
5.3	• 37	•57,	•46	2.94	3.44	5.23	1.08	2,94	. 75	. 32.		• 7 w.j.	19.57
54	• 47	•03	• 65	1.13	.81	1.46	2.34	2.60	2 • 68.	•59	.17	•25	13.18
- 5	.18	.97	•63	.48	1.81;	2.62	6.86	1.11;	1.27.	•34	70.	<u>.47</u> .	17.44
56	.72	.18	•91	1.45	1.63	2.85	3 • 58,	1.75	• 8 3	1.14	1.60	•31	16.95
57	• 31,	•23	•738	1.90	2.00	5.47	4.72	1.68	6,13		92.	. •25+	
. د <b>5</b>	•16	• 15,	• 03:	1.39	1.41	5.08	5.74	3.93	• 71	•72	1.58	•04	20.94
59	•13	.20	• C8;	• 66	1.88	4.73	4.26	3.02	.77	1.61	•31	53.	18,23
63	.17	•06,	.11	3.62	1.71	1.82	2.40	3.91	1.26	1.34	1.63	1.01	19.04
61	<u>• 39</u>	•18,	.38	2.27	2.71	1.36	3.00	1.02	4.44	1.70	•06	•57	17.78
62	1.77	• 97	1.78	1.51	5.95	2.78	5.92	3.25	3.15	.86	•54	• 30	27.38
63	• 1 3	• 33,	•51	2.67	2.61	1.69	<u>•66</u>	4.41	1.19	• 23	•12	.39	14.94
€4	• 54	• 27	•92	3.76	.87	4.85	• 77	2.85	1.70	•10	•72	.91	18.26
66	• 40	•26	1.92	1.78,	1.27	2.91	4.01	3.80	.54	1.40	.18	.50	18.97
67	1 • i3	.21	. 34	4.14	1.00	2.54	•60	• 41	.31	1.06	•04	1.36	13.04
63	• 37	•27	1.29	4.09	2.08	3.94	1.49	1.61,	2.23	1.75	.37	1.11	20.60
69	1.27	• 46	• 54	1.55	2.36	2.03	5.92	.38	1.55	1.51	-14	-91	18.52
73 #	•10	•20	1.52	2.30	2.83	2.63	.43	1.24	3.61	1.61	.96	- 47	17.90
71	• 31	. 34	• 56	1.10	2.68	3.51	2.80	.92	4.30	4 . 4 2	. 8 3	•59	22.86
72	.04	.61	.74	.96	3.52	.58	2.78	3.45	1.22	1.25	•22	1.51	17.78
73	•12	. 13	1.25	.70	1.65	1.78	3.60	3.85	4.98	1.54	.90	1.02	21.52
74	• 35	• 36	•71	3.40	4.03	.90	4.75	6.46	.13	3.10	-48	-32	24.99
75	1.32	.27	1.48	3.24	1.45	9.40	2.42	2.90	1.24	1.76	•64	-18	26.30
76	1.25	.35	1.00	1.19	.46	2.34	.63	- 41	.55	-16	• 26	.24	8.84
77	•65	1.24	1.72	.84	7.30	1.64	5.36	2.53	3.21	2.46	4 - 58	.75	32.20
7 &	•16	.18	.43	1.15	1.78	4.40	2.92	3.79	. 92	-13	1.11	-47	17.44
MEAN		<del></del>	<del></del>					<del></del>	<del></del>	<del></del>			<del></del>
5. D	<del>-</del>	<del></del>					<del>+</del>		<del></del>	<del></del>		<del>-</del>	
TOTAL OBS		11075	- 4046	- FO ON	1 5 C C T			L			<del>i</del>		

NOTE # (BASED ON LESS THAN FULL MONTHS)

FORM 0-80-5 (OL A) USAF ETAC

GLARAL CLIMATOLOGY BRANCH SAFETAC ATT WEATHER SERVICE/MAC

(FROM DAILY OBSERVATIONS)

1. 14 MECTER APT FARGO NO STATION NAME

48-64, 66-81 YEARS

#### TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH (EAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост.	NOV	DEC	ALL MONTHS
79 33	.44 1.23	1.74	2.00	3.04	2.02	2.92 2.68	3.38 .76			2.63	.48	•14 •3ù	19.9
81	•11	• 49	•67	.61	3.46					•			
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MEAN	• 599	.459	.836	1.783	2.335	3.068	3.276	2.506	1.756	1.327	.784	.633	19.373
S. D.	.438	.421	.568	1.212	1.552	1.743	2.082	1.590	1.550	980	.833	.474	4.560
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960	992	11839

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OL A)

STERAL CLIMATOLOGY BRANCH USAFETAC ATH GEATHER SERVICE/MAC

# **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

14514 HECTOR APT FARGO NO STATION NAME

						AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	DUNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	26- 50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10 01-20 00	OVER 20.00	1	TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5 3 4	3 5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25 5-50 4	OVER 50 4	MEASUR- ABLE	OF OBS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37 -48	49-60	41-120	OVER 120	AMTS				
MAL	30.1	39.9	15.7	8.6	2.9	1.0	• 6	• 3	•1	• 1				29.4	868	7.7	18.3	1.3
FEB	40.2	34.4	15.8	5.7	2.0	1.0	. 4	• 5						25.4	791	5.5	19.5	. 3
MAR	53.9	26.4	10.4	5 • 3	2.0	• 9	.7	• 5						19.7	868	5.9	18.7	TRACE
APR	77.9	13.7	3.0	3.1	1.3	. 4	• 2	•	•1					8.5	840	3.3	12.8	TPACE
MAY	9 <b>6 • 5</b>	2.8	• 5	• 2	_									. 7	868	.1	. 9	٥.
MUL	100.0														810	.0	•0	•0
JUL	100.0														868	•0	• 5	•0
AUG	10 <b>0.</b> 0														868	.0	• 0	.0
SEP	9 <b>9.</b> 6	. 4													840	TRACE	TRACE	.0
ост	90.1	7.6	. 8	1.0	• 3	• 1								2 • 3	868	.6	3.8	• 0
NOV	59.6	27.1	7.1	3.6	1.2	• 6	• 2	• 2		• 2				13.2	840	4.1	24.2	. 4
DEC	38.7	35.5	13.2	8.6	2 • 1	1.2	• 3	• 2	• 1					25.6	868	6.4	16.5	. 0
ANNUAL	73.9	15.6	5 <b>. 5</b>	3.0	1.0	. 4	• 2	• 2	•0	• 0				10.4	10197	33.6	$\times$	$\times$

1210 WS JUL 44 0-15-5 (OL1) PREVIOUS COITIONS OF THIS FORM ARE OSSOLETE

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CERRAL CLIMATOLOGY BRANCH FRETAC AT REATHER SERVICE/MAC

### **EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

1: 14 HECTOR APT FARGE NO STATION NAME

48-64, 66-81 YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост	NOV.	DEC	ALL MONTHS
4 7	3.4	5.7	2.6	• 7	TRACE	• 0	•0	• 0	•0	TRACE	5.0	1.1	5.
43	6.8₩	1.8.	1.3.	TRACE	TRACE	0	0	G,		IRACL	3.0	5.7.	6_
53	3.4	1.0	2.4	2.6	1.0	٠ù	• D	• 0	•0	1.0	2.5	2.2	3.
51	1.7	10.8	<u> نوز</u>	1.3.	•0	<b>.</b> 0.	• 0,		0.	7.3	2.4	5.2.	. 10.
5 <i>2</i>	6.1	1.0	3.7	1.8	• 3	• 0	• 0	• 0	.0	TRACE	• 5	1.5	6.
5.3	• 7_	3.1.	1.9	. 7	TRACE	Q.	• 0.	.0	. 0:	TRACE	4.5	3 a u i	_ 4.
54	1.9	• 1	2.0	. 4	• 9	• 0	• 0	• 0	• 0	TRACE	. 4	1.6	2.
55 L	• 5	4 . 2	1.7.	. 3	. 3:	α		. Di	_ <b>.</b> D:	TRACE	2.3	2.5	4.
<b>5</b> 6	2.7	1.3	6.0	3.4	• 9	. 0	• 3	• 0	TRACE	• 3	. 3	1.3	6.
57	1 • Oi	2.7	. 4	1.2	. 0:	. Gi	.0	• 0	TRACE	IRACE	1.0		2 .
5 =	. 7	1.4	. 7	TRACE	•0	• 0	• 0	• 0	• 0	TRACE	3.D	• 5	3 .
59	1.7	1.1	. 1	1.0	TRACE	• Ci	O:	<u>. 0</u> ,	• Di	. 5	2.1	8	2.
50	2.4	• 5,	• 6	5.2	• 2	• 0	• 0:	• 0	• 0	TRACE	10.9	1.6	10
61	• 6	1.0	TRACE	1.0	TRACE	• 0	. 0	• D:	• Di	TRACE	.2	1.91	_ 1
62	٥.٥	3.1	3.4	1.3	• 0	• 0	• 0.	• 0	•0	• 2	2 . 8	. 9	3
63	• 6	1.8	1.4	6.0	• 1	• 0	• 0	• D	. 3	. 0	. 4	1.3	6
54	4.6	2.6	3.7	3 . 5	• 3	• 0	• 0	• D	• 0	TRACE	2.0	3.7	4 ,
56	4 • C	• 7	6 . 4	2.3	• 0	• 0	• 0	• 0	• 0	1.3	. 8,	1.4	6
67	4 - 1	• 5	2.9	2.7	TRACE	. 0	.0	• D	•0	. 7	• 5	5.4	5
68	1.0	1.2	1.4	5 . 4	. 4	• O	• 0:	• D.	• 0	. 3	1.4	2.8	. 5
69	2.8	4.5	1.5	TRACE	TRACE	• 0	• 0	• 0	•0	1.5	1.5	2.5	4 .
73	• 6	. 9	2.6	8.6	TRACE	. 0	• 0	• <b>C</b> t	• O <sub>1</sub>	. 9	4.1	3.0	.8.
71	4.7	3.2	• 5	. 5		• 0	• 0	• 0	• D	2.0	. 8	1.9	4 .
72	7.0	2.0	3.4	1.1	• 0	• 0	. 0	• 0	TRACE	2.7	. 9	7.2	7.
73	• 6	.6	1.0	2.4	<b>6</b> 0	• D	.0	• 0	• 0	TRACE	1.3	4.4,	4 ,
74	1.5	2.1	2.6	2.3	• 0	. 0	• 0	• 0	. 3	. 4	. 5	1.1	2 .
75	2.7	2.0	6.4	2.2	TRACE	• 0	• 0	• 0	•0	. 4	3.1	. 8	.6
76	4 - 1	5.0	4.0	TRACE	• 1	• 0	• 0	• 0	. 0	. 1	1.7	2.0	5 .
77	2.6	4.9	2.8	1.1	•0	• 0	• 0	• 0	.0	TRACE	12.0	2.0	12.
75	ال 1	1.7	4 . C	2.2	• 0	. 0	ا ۵	. 0	.al	TRACE	3.7	5.3	5.
MEAN													
S.D			<del></del>	<b>†</b>								1	
TOTAL OBS											<del></del> +		

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

CLUBAL CLIMATOLOGY BRANCH STATESTAC AL- "EATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

14 HECTOR APT FARGO NU 48-64, 66-81
STATION STATION NAME YEARS

#### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV.	DEC	ALL MONTHS
70	2.3	6.4	1.2	1.4	• 8	• 3	• 0	.3	•0			1.0	6.
<u> </u>	10.5	2.2	<b>3.1</b> ,	TRACE	<u>.</u>	a_				5_		2.0.	10.
81	• 6	2.3	• 3	TPACE	• 0								
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MEAN	2.75	2.55	2.41	1.90	.11	.00	.00	•00	TRACE	.66	2.46	2.45	5.5
5 D	3)3	2.218	1.724	1.994	.268	.000	.000	.000	.000	1.337		1.720	2.67
FOTAL OBS	1623	932	1323	990	1023	960	992	992	960	992	960	992	1183

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM UL 64 0-88-5 (OL A)

CLUSAL CLIMATOLOGY BRANCH COSELTAC AT SEATHER SERVICE/MAC

FROM DAILY OBSERVATIONS:

1 14 HECTOP APT FARGUND 48-64 66-81
STATION STATION NAME YEARS

#### TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB.	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP	oct	NOV.	DEC	ALL MONTHS
43	7 • 3	15.8	7.2	1.2	TRACE	• 0	•0	•0	•0	TRACE	9.8	3.8	45.
49	12.3	5.6	2.3	TRACE	TRACE		0			IRACE	5.3	10.8	* 36.
5 a - "	14.9	2.5	15.2	12.4	1.0	• Q	• 0	• 0	• 0	1.0	4.9	7.2	54.
51	5.7	12.1.	11.5	2.0	Q	0_		0		8.1	1.2	20.3	
5.2	11.2	3.2	9.9	1.8	• 0	• 3	• 0	. 3.		TRACE	. 8	6 • 3	33.
5.3	3 • 3	6.4	4.6	• 9,	TRACE	• 0	• 0,	• 0,	0	TRACE	6.5	8.6	30.
54	7.0	. 3	4.0	• 5	• 9	• 0	• 0	• 0	• 3	TRACE	1.1	3.3	18.
5 <b>5</b>	2 • 8	12.0	7.4	• 3	• 0;	<u> </u>	•0,		• 0	TRACE	6.0	4.9	33.
56	7.9	1.8	9.2	4.7	• 0.	. 0	• 0	• 0		• 0	• 5	3 • 2	27.
57	3 • 3	4 . 4	. 7	2.8	• 0	.0	. 0	.0	TRACE	TRACE	1.6	1.2	14.
5 5	2.8	1.9	1.8	TRACE	• O,	• 0	• 0	• 0		TRACE	6.5	• 9	13.
59	2.0	3.5	. 2	1.1,	TRACE	• 0	.0	0	• 0	. 7,	3.6	1.5	12.
63	6.2	1.2	2.4	7.9	• 2	• 3	• 0	• 0		TRACE	11.0	3.6	32.
61	1.6	2.3	TRACE	2.8	TRACE	0	• 0	0	•3	TRACE		6.5	13.
6.2	16.9	10.1	10.7	2.0	• 0	• 0	۵.	• 0	• 3	• 2	3.1	2 • 5	39.
63	1 • 3	3.9	5.3	6.0	• 1	• 0	•0	• D	.0		• 4	4.3	21.
64	8 . 4	6.2	8.4	9 . 2	.0	• 🛭	• 0	• 0	• 0	TRACE	2.7	11.9	46.
66	5.0	1.1	15.4	5.0	.0	• q	.0	• 0		1.2	1.3	3.4	32.
67	15.1	2.6	4.9	5.0	TRACE	• 3	.3	• 0	•0	• 7	• 7	10.3	39.
63	4	2.4	2.0	11.6	- 4	0	.0	.0		• 8	3.9	11.4	36.
69	14.5	7.8	3.0	TRACE	TRACE	• 0	• 0	• D	• 0	2.0	1.9	9.5	38.
73	2.3	3.6	9.1	12.8	TRACE	• 0	•0	. 0	• 0	. 9	5.4	8.3	43.
71	15.1	4.8	1.8	1.0	TRACE	• a	• 0	. 0		3 . 8	2.3	10.0	38.
72	16.5	10.9	7.1	3.1	• 0	• 0	.0	• 0	TRACE	3.8	1.7	18.5	61.
73	1.7	1.4	1.4	2.4	• <b>3</b>	. 0	• 0	• 0	• 0	TRACE	3.9	12.3	23.
74	6 • 1	7.1	10.5	2.7	.0	. 0	• 0	• 0	.0	. 4	1.0	5.1	32.
75	18.3	5.9	18.7	3.7	TRACE	• 3	• 0	• 0	•0	• 4	3.8	1.9	52.
76	14.0	6.2	14.0	TRACE	• 1	• 0	•0	• <u>•</u> q	٠, ۵	- 1	2.7	5 • 5	42.
77	12.6	10.7	4.6	2.1	• 0	٠. نا	• 0	• 0	• 0	TRACE	24.2	7.2	61.
75	4 . 6	3.9	7.1	2.5	• 0	. 0	.0	• d	• 0	TRACE	8.5	11.7	38.
MEAN	l l	T								i			
S. D													
TOTAL OBS		i							I		i		

NOTE # (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

SERBAL CLIMATOLOGY BRANCH LIBELTAC AT SEATHER SERVICE/MAC

MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION HECTOR APT FARS ND STATION NAME

48-64, 66-81 YEARS

#### TOTAL MONTHLY SNOWFALL IN INCHES

MONTH." YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ALL MONTHS
79	7.8	19.5	4.3	2.7	• 8	• 0	•0	• 8	• 0	1.4	6.0		44.0
<u> </u>	17.3	7.2		TRACE	0	0	.0.	a	0	5	1.1	4.6.	37.2
61	2.1	4.5	• 3	TRACE	• 5								
*		•			·· · · ·							4 4 b	
····			<u> </u>						•			🛶	
\(\frac{1}{2}\)	:		;									1	
<b>1</b>	:		- +	<del>-</del>					•	•			
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			i			,		1					
MEAN	8.36	5.85	6.28	3.35	.11	.00	•00	•00	TRACE	.81	4.43	6.94	36.34
S. D.		4.545	4.664	3.644	. 268	.000	.000	•00d		1.654		4.793	14.366
TOTAL OBS	1023	932		990	1023	960	992	992	960	992			11839

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OL A)

SLIEAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION HECTOR APT FARGO NO STATION NAME 48-64, 66 81

						AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP.	NONE	TRACE	.01	.02- 05	.0610	.1125	.26- 50	.51-1.00	1 01-2.50	2 51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
SHOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2534	3 5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15 5-25 4	25 5-50 4	OVER 30 4	MEASUR- ABLE	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25-36	37 - 48	49-40	<b>61-120</b>	OVER 120	AMTS				
JAN	1.7	6.9	8.8	11.5	7.7	27.4	33.3	4.3					1	92.1	992		ļ	
FEB	1.7	5 • 4	10.3	12.0	12.5	25.8	25.7	6.3			<u> </u>			92.7	902			
MAR	22.0	19.5	10.5	6.9	8.3	11.6	15.8	5.5				!	•	58.6	992		•	!
APR	75.9	13.3	4.0	2.3	1.7	2.4	. 4							10.7	960			<u> </u>
MAY	98.3	1.5	• 2											• 2	992		!	·
JUN	100.0														930			i
JUL	100.0														961			
AUG	100.0												<u> </u>		961			
SEP	130.0														930			
ост	96.9	2.0	• 5	. 4		• 2								1.1	961			
HOY	54.4	22.4	7.0	5.2	4.4	5.1	• 5	1.1						23.2	930			
DEC	10.9	16.0	15.8	10.5	13.3	23.0	9.2	1.1						73.0	960			
ANNUAL	63.4	7.2	4.8	4.0	4.0	8.0	7.1	1.5						29.3	11471		$\times$	$\times$

1210 WS JUL 44 0-15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

DECRAE CLIMATOLOGY BRANCH CONFETAC A. CEATHER SERVICE/MAC

### **EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

1 14 MEGTOR APT FARGO NO.

52-64, 66-81

YEARS

#### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ALL MONTHS
5.2							Ü	ົວ	0	0	TRACE	. 3	
_ 5.3	4.	4.		TRACE	a.	_ <u>a</u>	a		<b>_</b>	0	L£	L <i>1</i> ,	•
54	12	13	2	1	1	ū	3	a	3	Ü	1	. 3	1
<u> 5</u> 5 .	<u>3.</u>	8,	7.	TPACE	Q.		<u>J</u>		2	. 0	l 3	<b>i</b> . 5,	
<b>5</b> s	7	7	8	5	0	3	a	a	Э	. 0	I TRACE	1	•
57		3.	TRACE	<u></u>	Q.		👊	a_			L 1		
5 3	2	4	1	0	0.	a	0	a	a	3	5	4	
5 <del>v</del> +		4;	TRACE	0	3_		0			TRACE	1		
64	6	4	3	6	٥	oj.	O	a	3	_			1
-51 +	5,		JRACE.		a_		0		a		IRACE		· · - · - · - · - · - · - · - · - ·
6.2	8.	10		3;	C	Ü	D	0	a	TRACE		1	. 1
53			2			<u> </u>			<b>_</b>		TRACE		
64	6:	3;	6,	3	3	a	O.	o	a	_		11	1
56		4,	15				ℚ	Q	0		1		1
67	11	8	3		TRACE	3	3	0	a	_	. 1	8	1
65	9	3	2		TRACE	<b></b>	Q.	C	9	TRACE	1	·7	
69	17	16	16	7:	_	Ü	O	O	a	2	2	7	1
75	<u> </u>	6	7	5	TRACE			- 9	q		4	3	
71	10	14	3	1	O <sub>1</sub>	a	O.	a	a	1	1	ِ رَ <b>♦</b>	1
72	10	9	- 9	1.		q	0	<u>a</u>			1	13	1
73	13	2	1	TRACE	0	a	O	0	a	a	2	0	1
74	- 6	9	- 4	4	<u> </u>	9	0	<u> </u>	<u>q</u>			3	
75	8( 9	7	10	50.405	T 0 4 0 5	a	g	a	9	TRACE	_	2	1
76		8	10	TRACE	TRACE		<u>u</u>	<u>_</u>	9	TRACE			1
77 78	3, 10⊭	9	1 4	1	i i	g	g	ŭ	g	ū	17	15	1
<del>-79</del> +	12	1 <u>1</u> 24	14	4		<u> </u>		<del> त</del>	9			12	<u>i</u>
		- 1	/	TOACCÍ	1	g	O.	g	g	Q	30.5	1	2
RJ .	11	· 5	5				0	<del></del>		IRACE	TRACE	<del></del>	1
81	4	2		TPACE	U	i			;				
MEAN	7.5	7.1	6.0	2.4	• 1	• 0	•0	• 0	• 0	. 3	2.7	5.1	10.
5. D.	3.892		5.470		.262	.000	•000	.000	. 300			4.073	4.68
TOTAL OBS	ხ68	791	868	840	868	810	868	868	840	868	840	867	1019

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART C

### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

\*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by ind.vidual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTES value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTES.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

\*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATNER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

MOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

LELRAL CLIMATOLOGY BRANCH FITAC AT REATHER SERVICE/MAC

### **EXTREME VALUES**

SURFACE WINUS

FROM DAILY OBSERVATIONS

1 1- DECTOR APT FARSO NO STATION NAME

7.0-81 YEARS

#### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.		FEB	MAR	APR.	MAY	JUN.	JUL.	AUG	i. :	SEP	ост	NOV.	DEC	ALL	
7.3	*i w   3	55Nw	50 V#	35W	55	in 44	Nw 38	Nw 3	7.N lu	4411	401	14 33	S 42	₩ 3 <i>9</i>		5
<u> </u>	<u>Na. 3</u>	34 <sub>N</sub> #	4211					NW 4	3.id	494	35,5	SE 45	<u>⊌ 39</u>	SE 33	<b>=</b>	_ 4
72	NW 4	12N d	49 14	43N	d 31N	IE 35	W 38	NW 4	2NW	37:W	411	Na 37	Nh 31	NE 36	NW	4
7.3	N.	JN	<b>*36.</b> 5E	<b>*36.</b> S	E 47.N	IW 39	W 4 a	N 3	الأبد	57.SE	429	4.2	Nal 32	Na 47.	, a	_ 5
74	SE 3	36N W	36 V N	425	E 41/S	E 52	NW 46	NW 5	TNW	4 7NW	411	1 38	SE 39	N 32	NW.	5
75		2N w	42N	355	E 37N	4 3	N 53	SH 4	3.S.E	4 3 W	36.9	<u> 5                                   </u>	N 36	Nd 36.		5
76	1 N 4	+ D S	40.44	455	48*	40	NA 70	SE 35	5N	5 CIN	41	vai 50	NW 51	N 38	Nh	7
	1 4	15N N	4 0, NE	38N	405	W 45	N# 44	SE 41	4,SE	50NW	44	SE 44	Nw 53	N 39	NW	_ 5
	. u 4	4 M W	39:4%	i 33N	w 43S	33	Sw 43	NW 6	2₩	35 S	394	i 39	Nin 38	W 45	NW	6.
75		33N a	39 Nh	45N	w 45S	42	<u> 52</u>	S₩ 5	L <sub>I</sub> N	3 3 S	38,A	47	N 39	NW 44	<u>SE</u> _	5
8:		DSE	36 Nh		425	43	W 40	SW 32	2SE	394W	385	SE 45	Nw 33	NW 45	, N	5
	1, 3	36N	39,SE	33,5	41,5	39									<b></b>	
MEAN S. D.	4:0 6.04		41.1 592 4	39.3	42.3	40.7 5.449	46.0 9.434				39.5 659	43.2 4.600		39.2 4.708		5.60
TOTAL OBS	37		336	353	360	372		34		40 20	330	341	330			14
TOTAL OIL	ر د						THAN F				770	771	ں د د			

USAF ETAC JUL 44 0-88-5 (OL A) S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

AL CLIMATOLOGY ERANCH STATE H SERVICEMMAE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATOTOR ART FARGE NU	74-91	J <b>.</b>
STATION	STATION NAME	YEARS	HONTA
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.Y.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• ?	1.	2.2	5.9	2.3	1.3	• 5	• 1				14.5	14.1
NNE	• 1	1.2	. 7	• 5								_ • €	7.5
NE	•	• 3	• 9									10-	6.5
ENE	• 3	• *	• 1									1.2	4.4
E		1.	1.1	• 1								2.7	6.6
ESE		• 7	• 1	• 3								1.1	7.5
SE	. 1,	• 7	. 4	• 9	• 3							2.7	5.7
SSE		•	1.6	4.4	• ધ	.4						7.7	12.5
\$	•	2.4	6.5	4.2	• 3							14.2	8.9
SSW	• 4	1.5	3 ⋅ 0	. 4								٠.4	7.4
SW	• 3	1.1	1.3	• 3								3.5	5.
wsw	. ,	1.5	2.2	• 5								4.5	7.6
w	• 6	2.3	2.4	2.2	. 4							5.7	6.3
WNW		1.7	1.5	1.5	. 4	• 5	• 1					5.5	11.4
NW	• 14	1.3	2.5	1.5	.8	•1	. 4	• 1	<u> </u>			€.7	11.7
NNW	•:	1.	1.2	2.6	1.2	1.7	•1	• 3				6.7	14.8
VARSL										i		1	
CALM		><	> <	$\times$	> <	$\times$	> <	> <	$\supset <$	$\supset <$	> <	5 • 2	
		21.5	27.3	25.3	6.5	4.2	1.2	• 5				170.0	9.5

	TOTAL NUN	USER OF OBS	ERVATIONS	11 300	744
5				122	9.5
$\sim$				4	

USAFETAC FORM  $_{\rm SUL~64}$  0-8-5 (OL-A) Previous editions of this form are obsolete

PAE FEIMATOLOUY FHANCH PFETHER SERVICEZMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1	ALICTOR APT FARGE (5	74-51	JAN
STATION	STATION MAME	TEARS	Monta
		ALL WEATHER	0305-0590
		CLASS	HOURS (L.S.T.)
	<del></del>	2010100	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		1.5	2.6	5.8	1.5	1.6	. 0					14.4	14.1
NNE	• 3	1.1	• 4									1.7	5.3
NE	• 3	• 3	• 5	. 1	_				<u> </u>	† <del></del>		1.7	5.9
ENE	• 1	• 1									1	. 4	3.0
E	• 1	• 7	• 4	• 3						ļ	1	1.5	0.6
ESE	•5	• 3	• 5	•1							i	2.4	5.7
SE	•1	• 3	• 7	1.2	• 1						i	3.1	9.7
SSE	• 1	• 0	2.6	3.8	1.5					1		8.9	12.0
S	• 3	3.4	5.5	5.0	• 3	•1				1		14.5	9.3
SSW	• 3	1.5	2.	• 4								4.2	6.8
sw	• 4	1.3	2.0	• 7								4.4	7.1
WSW	• 4	• 9	2.3	. 4								4.5	7.3
w		2.2	3.2	2.3		• 3						7.7	9.€
WNW	• 7	1.9	1.9	1.6	.4	. P	•1					5.0	11.2
NW		1.3	2.0	• 9	• 8	1.1	• 1	. 4				6.7	14.3
NNW		• €	2.4	2.6	1.5	. 9	• 3					3.6	13.6
VARBL													
CALM	$\supset \subset$	> <	$\supset <$	$\supset <$	$\times$	$\times$	$>\!\!<$	> <	$\supset <$	$\supset \subset$		3.3	
	4.2	20.6	29.0	25.1	6.0	4.9	1.5	. 4				100.3	5.7

TOTAL NUMBER OF OBSERVATIONS

744

LAL CLIM TOLOCY PRANCH EATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1	HICTOR APT FARGO ND	74-81	٠ ٨ ل
STATION	STATION NAME	YEARS	MORTH
		ALL WEATHER	1638-1308
		CLASS	HOURS (L.S.Y.)
	<del></del>	COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	1.	4.7	3.2	2.0	2.7	• 3					1+.5	14.3
NNE	• 1	• (	1.2									2.2	0.4
NE		'n	. 4	• 1								1.5	7.5
ENE		•	• 4	• 1								1.1	7.5
ŧ		• 1	. 4	• 3								• č	10.0
ESE		•	• 3	• 1								• 7	7.0
SE		• t-	2.5	• B								3.6	8.5
SSE	• 1	ن.	2.5	3.4	. 8	• 4	• 1					₹ • 3	11.9
S	_ • 7	2.4	3 • 1	4.3	1.1	• 3						16.5	9.5
55W	• 4	1.1	1.7	• 1								3.4	7.5
sw		1.1	1.9	.7								5.7	1.7
wsw		2.2	1.0	.4								4.4	7.2
w	. 7	1.7	3.4	1.2	. 4	• 1						7.5	5.7
WNW	•	2 • ℂ	3 • A	1.2	1.2	•1	• 3					5.9	10.5
NW	. 4	1.1	1.3	1.2	. 9	• 1	•1	• 3				5.5	12.6
NNW	. 3	1.7	3.5	1.5	1.7	3.						3.6	11.6
VARBL													
CALM	$\searrow$	$\times$	$\mathbb{X}$	>>	$\supset \subset$	$\times$	$>\!\!<$	$\supset \subset$	> <	$\supset <$	> <	7.3	
	3.4	19.2	37.6	19.7	8.7	4.6	. 8	. 3				153.6	9.7

TOTAL NUMBER OF OBSERVATIONS

C AL DEINAFOLDUM BRANCH PATH - SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1:	HTCTOR ART FARGO HU	74-81		MAE
STATION	STATION NAME		YEARS	HYMOM
		ALL MEATHER		UP30-1100
	<del></del>	CLAM		HOURS (L.S.Y.)
		CONDITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	37 - <b>2</b> 1	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	2.5	4.4	4.0	7.9	2.6						15.1	13.4
NNE		• 1	• 7	• 7	• 1							1.5	13.5
NE	• 1	<b>~</b> }		• 3								1.3	0.4
ENE	• 7	• 5	• 4									1.2	5.0
E	• '.	• 4	• 5	• 1								1.5	200
ESE		•	•7	• 3								1.05	7.1
SE	• 1	• 3	1.2	1.7	- 5						i	4.5	11.1
SSE		. 4	1.3	2.8	1.6	•1						0.03	13.4
\$		1.	5.8	6.2	1.1	• 5	• 1					15.2	11.4
SSW	• 1	1.2	1.0	1.2								4.4	208
SW	• !	1.2	1.5	1.1	• 1							4.4	8.5
wsw	• 5	1.2	2.7	• 7								5.1	7.3
W	. 7	1.7	3.2	1.6	• 5	• 1	• 1					₹ • 1	9.2
WNW	• 4	1.2	2.3	2.7	1.1	• 3	• 3	• 1				7	12.2
NW		1.1	1.5	1.5	• 3	• 4		.4				5.8	13.7
NNW	• 4	• 5	1.3	2.6	1.5	•3	•1					7.3	13.7
VARBL													1
CALM	$\supset <$	><	> <	><	$\times$	> <	$\times$	><	> <	$\supset <$		7.7	
	3.0	14.2	30.5	27.4	10.3	4.8	. 7	• 5				170.0	10.5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\textit{FORM}}{\textit{aut}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CEIMATOLOUY PRANCH ETAC FATHER SERVICLYMAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	HECTOR APT FARGO NU	74-81		JAC.
STATION	STATION NAME		VEARS	Bonts
		ALL WEATHER		1230-1400
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	1.0	2.9	4.4	4.0	3.0	• 5			<del>                                     </del>		15.5	15.6
NNE	• 1	• 7	• 5	• 8	• 3							2.4	10.1
NE		• 7	• 5									• H	7.5
ENE		. 7	•1									• 5	6.3
E	• 1	• 7	- 5									1.3	5.1
ESE		. 4	1.7	• 8								ت•د	9.1
SE	_ • 1	• 1	1.2	• 7	• 7							4.2	11.6
SSE		• '	• 8	2.4	1.5	• Ē	• 1					5.9	14.6
5	• 1	• -	4.6	5.5	1.7	• 1						13.8	11.5
SSW	• î		1.5	1.5	• 1							2.3	10.2
sw	• 1	1.5	2.3	. 7								4.7	7.3
WSW	• i	• "	2.6	1.2	• 3	• 1						4.€	9.9
w	• 3	1.5	2.4	3.6	4							3.7	10.1
WNW	• 3	1.3	2.6	4.0	. 9	• 7	• 1	_ • 7				15.6	13.€
NW	• 1	1.1	2.0	1.6	1.3	• 5		• 1				5.7	12.5
MMM	• 3	• 5	1.6	3.4	2.2	1.3		• 1				9.4	14.7
VARBL													
CALM	><	><	>>	><	><	><	$>\!\!<$	><	$\geq <$	$\geq \leq$	$\geq \leq$	4 • 2	
	2.2	12.8	27.8	31.6	13.4	6.3	• 8	• 9				150.0	11.9

	$\sim$						
6.3	. 8	• 9				170.0	11.9
			TOTAL NUA	MBER OF ORS	SERVATIONS		744
					_		

AL CLIMATOLOUR FRANCH LING LATHER SERVICEZMAG

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 2 -	HOTUS ART FARGS (J	74-81		JAN
OTS TOOM	SALE SOUTATE	<del></del>	TEARS	
		ALL BEATHER		1505-1790
	<del></del>	CLASS		HOUSE (L.S.T.)
		COMMITTEE		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54		MEAN WIND SPEED
N	•	1.	3.6	6.5	4.3	1.2	• 4					17.č	140
NNE		•	• 5	. 4								N 1.2	٠.
NE 2	• 1	• 1	•1	•1						i		• 5	7.
ENE		1.1	•1	•								1.3	5.0
E	• !	. 4	. 4	•1					ļ ——	•		1.1	7.
ESE	.1	• 7	1.3	• 1			Ī			i		2.5	7.
SE		•	• 3	1.1	•1				i	,		1 2.7	1
32E		•	1.9	3.4	1.3	. 4	• 3			<u> </u>		7 . 1	13.
5		7.2	5.1	5.1	1.5	•1				<u> </u>		1:02	11.
\$5W	. 4	• 4	1.5	• 5								2.5	7.
SW	• 1	• 7	1.9	1.1			1					3.8	9.
W5W		1.2	1.2	• 9								3.4	Ç •
w	• 7	2•6	1.6	2.5	• 3				-			7.0	٤.
WNW	• 1	1.0	2.9	2.6	. 4	• 1	•5					3.5	11.
NW		• 7	2.3	3.4	• 9	• 7		• 1				9.1	13.
New	• 1	• 5	2.5	3.4	2.6	1.1	. 4	. 4				11.4	14.
VARBL													
CALM	><	$\supset \subset$	> <	$>\!\!<$	> <	$\supset \subset$		> <	$\supset <$	><	> <	4.2	
	2	15.7	48.3	32-6	11.6	3.6	1.6	•5				170.0	11.

	$\geq \leq$	$\geq \leq$	$\geq$		
5				110.0	11.3
	TOTAL NUM	MER OF ORS		743	

AL SEIMATCHOUN SPANCH TAC FAT WA SERVECEZZAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	HEGTOR ART FARST (J	74-81	JAN
STATION	STATION NAME	TEAM	80878
		ALL WEATHER	1900-2020
		CLAM	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
Z		2.2	3.8	ნ•₽	3.2	•7	• 5					10.7	13.2
NNE	• 1	• 3	• 9	• 3	• 1							1.7	9.4
NE	• 1	• 7	• 7									1.5	6.0
ENE	• 4	*	_ • 7									1.5	5.5
E	7	• 3	• 3									2.0	5.5
ESE	ڌ •	• *	• 5									1.7	5•€
SE		• 4	1.7	. 7	. 3							3.1	10.3
358		. 4	3.€	3.9	1.3	• 1	• 3					9.5	12.9
5	• 4	2.2	5.7	4.4	1.2	• 1						15.1	10.2
ssw	• 7	1.1	1.5	• ₽	• 1							3 • o	6.4
SW	• 3	1.5	• 5	. 7	•1							3.1	ڏ و ټ
WSW	• 7	1.1	2.4	. 4	• 1							4 - 3	7.9
w	<u> </u>	1.7	3.2	1.1								ರ ಕಿ	ۥ2
WNW	• 4	1.5	3.9	1.5	• 5	• 1	. 3		[			6.2	4.7
NW		8	2.2	1.6	• B		• 1			<u> </u>		ဗ•င်	11.0
NNW	• 1	1.1	2.4	3.1	1.2	3.	• 5	• 3				9.5	14.5
VARBL													
CALM	$\times$	X	$\times$	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq$	٤.7	
	3.0	16.9	34.9	24.5	9.1	1.9	1.7	• 3				103.0	10.0

TOTAL NUMBER OF OBSERVATIONS 74.4

AL CLIMATOLOGY BRANCH TETAC JEATHER SERVICEZ'AC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1	SECTOR ART FARGO NO	74-81	ZAL
STATION	STATION NAME	YEARS	#0#T#
		ALL WEATHER	2130-2300
	<del></del>	CLASS	NOVES (L.S.T.)
		COMBITION	_ <del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	• 1	1.0	3.1	4.7	3.2	1.2	.7				-	14.9	14.
NNE	• 3	• 3	1.3	• 7	• 1							2.7	9.
NE		1.2	• 4								·	1.6	5.
ENE		1.5	•5									2.0	5.
E	•1	• 3	•1						<b></b>	<b>1</b>		1.2	5.
ESE	•1	1.1	• 5									1.7	5.
SE	•1	•	.7	1.1	• 3				1			3.5	٧.
\$SE	.1	• 3	2.3	3.1	1.3	• 3	•1					٤.1	12.
5	• 1	2.7	5.4	5.0	.7	• 3						13.4	10.
ssw	• 3	1.5	2.3	.8	•1							5.3	7.
sw		1.7	1.5	• 0								3.5	8.
WSW		• 0	1.3	1.6								3.9	9.
w	• 1	1.9	4.4	• 9	•1							7.5	€.
WNW	• 3	2.6	1.6	1.3	• 7	. 4						6.9	15.
NW	• 1	1.5	1.1	1.3	•	• 3	4	•1				5.5	13.
NNW		7.7	2.2	2.3	2.3	• 8	• 3	• 3				10.2	13.
VARBL		ļ — ~										1	
CALM	> <	> <	> <	> <	$>\!\!<$	> <	$\times$	> <	> <	$\sim$	> <	€.6	
	1.9	22.3	28.8	23.8	9.5	3.2	1.5	.4	<del></del>			170.2	4.

TOTAL NUMBER	OF OBSERVATIONS	744

USAFETAC  $\frac{\text{FORM}}{\text{JAL 64}}$  0-8-5 (OL-A) Previous editions of this form are obsolete

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AL CLIMATOLOGY BRANCH CLIAC CEATHOR SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	- CTUR APT FARGO NO	74-91	/AL
STATION	STATION NAME	MASY	MOMTH
		ALL WEATHER	<b>SLL</b>
	<del></del>	CLASS	NOVES (L.E.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.3	3.4	5.1	2.9	1.8	. 5	0.0				15.7	14.1
NNE	• 1	• (	. B	•4	• 1							2.0	ં 5 • 5
NE	• 1	• 6	<b>.</b> 5	• 1								1.3	6.5
ENE	• 2	• 7	• 3	0.								1.2	5.€
E	• 2	• 7	•5	•1								1.5	0.4
ESE	• 2	• 7	• 7	•2								1.5	7.0
SE	• 1	• 15	1.1	1.0	• 3							3.1	lu-1
358	• 1	• 7	2.0	3.4	1.3	• 3	. 1					7.3	12.9
\$	• ?	2.1	5.0	5.2	1.0	• ?	J • [					14.5	10.3
55W	• 3	1.1	1.9	•7	• 1							4 • 1	ರ • 1
SW	• 3	1.2	1.7	3.	• C							3.9	7.9
WSW	• .	1.2	2.1	3.	• 1	• 2						4.3	3.1
w	. 4	2.0	3.0	2.0	_ 3	• 1	0.					7.7	8.7
WNW	• 3	1.7	2.5	2.1	.7	.4	• 2	• 1				5.0	11.4
NW	• 2	1.1	1.8	1.6	.9	.4	• 2	• 2				6.4	12.8
NNW	•.'	1.2	2.2	2.7	1.8	1.0	• 2	• 2				9.3	13.9
VARBL										i			
CALM		$\supset \subset$	> <	><	$\supset \subset$	>>	><		$\supset <$		$\searrow$	6.9	
	3.3	17.0	30.5	26.1	9.3	4.2	1.2	• 5				100.9	10.3

TOTAL NUMBER OF OBSERVATIONS 5950

USAFETAC JUL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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AL CLIMATOLOGY PRANCH FRIAC EXIT OF SERVICENHAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	MICTOR APT FARGO NO	74-81	FLE
BOLTATO	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
	•		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	2.1	5.0	4.4	2.4	2.2						17.7	12.6
NNE	• 11	1.2	1.7	1.0	• 1							3.0	E • 4
NE	• t	1.2	1.2	• 3								3.2	£ . 4
ENE	•	• 7	• 3	•1					1			1.00	5.7
E	• 7	1.6	• 3	• 1							!	2.4	5 • 4
ESE	• 4	1.3	. 4	• 3						•			5 • 6
SE	•1	1.3	1.0	• 6						1		3 • 1:	7.5
SSE		1.7	1.5	3.4	2.2	1.0				1	!	· • •	13.5
5	• *	5.0	5.7	€.0	1.0					•		1:07	10.1
SSW		1.9	1.7	•6							ĺ	3.5	6.3
sw	•1	1.0	•6	. 4						1		4.2	6.9
WSW	•1	1.6	• 9	•1				1				2.5	6.4
w	• 4	1.0	1.2	1.0	•1				!			4.7	6.0
WNW	• ^	1.2	2.9	1.0	.1							5.9	8.4
NW	, tı	1.7	2.7	1.2	• 1	• 9						6.7	10.7
NNW	• 3	1.3	2.1	2.4	1.6	• 3				1	1	9.₩	11.6
VARBL										1			
CALM	$\supset <$	$\supset <$		$\supset <$		$\supset \subset$		$\supset <$		$\supset <$		5.3	
		24.6	29.1	23.2	7.8	4.4						150.0	9.4

TOTAL NUMBER OF OBSERVATIONS

679

USAFETAC  $\frac{\text{FORM}}{\text{AK 64}}$  0-8-5 (QL-A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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COLAL CLIMATOLOGY PRANCH LIMAC FATUUR SERVICEYMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

i 14	HI CTOP APT FARGO NO	74-81	د ي -
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0 <b>300-</b> 0 <b>5</b> 00
		CLASS	HOURS (L.S.T.)
	<del></del>	COMPANIAN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	2.7	5.5	4.6	2.4	1.9	• 1	Ì		1		17.7	12.4
NNE	• 7	• 3	1.6	•1	• 1							? • <sup>*</sup>	7.4
NE		• ,₹	• 5	<u>•</u> 1								1.0	7.7
ENE	• 1	1.5	.4	. 4				I	I			i • 7	6.3
E	• .7	1.2	•6	•6				I				2.7	7.3
ESÉ	• 3	• 7	•6	•6								2.2	7.5
SE	• 3	1.6	• 7	• 9								3.5	7.5
SSE	• 1	1.5	3.1	2.9	2.2	. 4		I				10.0	12.2
S	• 7	4 • 1	5.3	3 • 8	1.2							15.2	9.1
\$5W	• 1	1.3	1.8	• 4	• 1							4 . ?	7.7
SW	•	1.3	1.2	• 1								2.9	6.3
WSW	• 1	1.2	.4	1.2						L		2.9	8.3
w	• 3	1.7	1.3	6								3.2	7.5
WNW	1.0	1.2	1.5	.4	. 4	• 3						5.2	6.5
NW	• 1	1.3	1.0	1.5	• 1	1.0						6.3	11.2
NNW	• 1	2.5	3.2	3.1	• 6	• 7	• 3	I				10.9	11.2
VARBL													
CALM	$\times$	$\times$	><	$\searrow$	> <	$\times$	> <	$\geq \leq$	$\geq \leq$			6.3	
	4.7	25.:	30.1	21.5	7.2	4.4	. 4					100.0	9.3

OTAL NUMBER OF OBSERVATIONS 57%

TAT WA SERVICE / HAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	74-81		۴ţ.
STATION	STATION NAME		YEARS	BONTH
		ALL WEATHER		_AU^-; { <b>!</b> ^^
	<del></del>	CLASS.	<del></del>	HOURS (L.S.T.)
	<del></del>			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• ť	3.4	3.8	5.6	3.2	• ¢	• 4					17.4	12.3
NNE	.1	1.5	1.5	. 4	• 1							4.5	7.7
NE		• 7	• 4	. 4								1.5	7.8
ENE		1.	• 0	•1							]	2.1	7.5
E	• 7	1.	.7	•1							i	2.7	င် • _
ESE	• 3	• 7	1.6	•1							Ī	•	6.5
SE	• 1	1.3	.7	1.6	. 1						I	4	ç • 1
SSE		1.5	2.1	2.4	2.1	1.6						د و ب	13.€
\$	• (	3.5	6.0	2.7	- 9							13.7	ે કે • દ
SSW	• 14	2.2	1.0	•6								5.0	6.8
sw	• 1	1.	•6	. 4								2.4	7.0
WSW	•	1.5	1.5	•6								3 • H	7.2
w	. 4	1.	2.1	. 9	. 4							4.5	9.0
WNW	• 5	1.3	1.3	.4	• 1	• 4					1	4 . 3	9.2
NW	• ;	2 • 1	3.1	1.2		. 7						7.4	9.7
NNW		3.4	2.1	1.5	• 7	1.5						€ • 7	15.7
VARBL													
CALM		$\supset <$	$\supset <$	$\supset <$		$\geq$	><		><		><	5.6	
	4.7	28.0	30.7	16.6	7.8	4.1	. 4					1.0.0	9.2

TOTAL NUMBER OF OBSERVATIONS

CLUPE CEIMATOLOGY FRA CH FLIAC FATHIR SERVICEZAL

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 4	HICTUR ART FARGO NO	74-81	£:
BYATION	BMAN HOITATE	YEARS	MONTH
		ALL WEATHER	29H6+11C ≥
		CLASS	HOURS (1.8.7.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	3.2	4.9	5.0	3.8	1.6	• 1					19.5	12.5
NNE		• \$	1.3	•6	• 1							7	6.9
ME	• 3		•6	• 4								1.3	3.6
ENE		• 3	• 7	• 3								1.3	d . 4
Ę		• 3	.7	.7								2.4	0 • €
ESE		• 5	•6	.4								1.5	7.5
SE		• }	1.8	1.3	• 3	• 1						4.4	10.8
SSE		• <sup>4</sup> ,	1.3	2.8	1.6	1.2						7.5	14.6
S	• 3	1.7	5.2	4 • C	1.2	• 6						14.2	16.7
SSW	• 1	1.	2.8	• 3								4 . 7	7.3
SW	• :	1.	1.2									2.5	6.5
WSW	• 3	• 6	1.5	•6								2.7	٤.)
w	• 3	1.2	.6	1.0	.6							3.7	9.8
WNW	. 1,	1.5	1.9	1.5	. 4	.7						<b>0 • 5</b>	10.9
NW	.7	• ¢	3.1	3.4	• 6	•6						2.3	11.1
NNW	. 4	1.5	3.5	1.9	1.2	۰۵	• 3					9.7	12.0
VARBL													
CALM		$\supset \subset$	$\supset <$	$\supset <$	><	$>\!\!<$	><	><	><			5.5	
	4.0	17.4	32.7	24.3	9.9	5 . 8	. 4					175.3	10.4

TOTAL NUMBER OF OBSERVATIONS 67.3

E FAL CEINATOLOGY GRANCH CHITAC - EATHR SERVICEZMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HUSTOR ART FARGO MS	74-61	F.L.
BOITATE	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOVES (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• !	2.2	4.4	7.4	4.7	1.5	•€					30.4	13.6
NNE		• *	1.3	• 9	. 4							3.4	11.5
NE	• !		• 4	• 3								• 9	4.
ENE	• 1	• 4	• 3	. 4								1 - 3	5.5
E		• 1	.4	• 3								. 7	5 • €
ESE	• *	• 1	1.5	. 4								1.	5.6
SE	• 1	• 4	1.3	2.4	• 4	•1						4.	12.0
SSE		• 1	2.1	1.8	2.1	1.0						7.1	14.7
S	• 1	• 7	2.7	ۥ2	1.9	• 4						12.3	12.
SSW	• 3	. 4	2.1	1.0								3 • n	8.9
SW	• 7	• 7	1.3	.9								3.2	€.
wsw	• !	1.5	• 7	• 9								3.2	7.6
w	. 7	1.6	2.2	1.0	• 7	• 1						5.5	9.5
WNW	• 1	•6	1.2	1.5	. 4	• 6						4.5	12.4
NW	•	1.2	2 • 2	2.1	1.3	• 6	• 4					3.4	12.0
NNW	• 4	1.6	4.9	3.1	3.0	• 3	• 3					14.2	12.7
VARBL													
CALM	$\supset <$	><	><	$\supset <$	><	><	$\supset <$		$\supset <$	><	><	3	
	4.7	12.3	9•1	30.6	14.2	5.3	1.3					1 0.5	11.7

TOTAL NUMBER OF OBSERVATIONS 677

AL CLIMATCLOBY REAVEH TIC THE SERVICEMENT

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1	HICTUR APT FARGO NU	74-31		FEF
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1540-1703
	<del></del>	CLASS		HOURS (L.S.T.)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	1.3	3.5	7.4	4.4	1.5				ļ		19	14.2
NNE	• 1	. 4	1.9	1.8	. 4							4.7	11.1
NE	• 1	نا •	• 6	• 4								1.	7.6
ENE		. 7	• 9	• 3								1.5	5.0
E		• 1	. 7					Ĺ				. 9	7.8
ESE		• 1	1.2	• 1								1.5	0.1
SE		• 0	1.9	1.6	. 9	• 1						5.5	11.5
388	• 1	• 3	1.5	3 • 7	1.3	. 4			<u> </u>			7.4	13.6
S	• 1	2.,	3.4	5.3	1.5	• 1						13.4	16.9
\$5W	• 3	• •	1.3	1.3	• 1	• 1						<b>₩.</b> C	10.1
sw	• 1	2.4	1.8	. 9								2 و د	7.4
wsw	. 1	• ?	• 7									1-5	6.5
w	• 1	1.5	1.7	1.6	. 3	. 1				<u> </u>			15.1
WNW		1.3	1.6	1.5	. 3	.1						4.5	10.5
NW		1.3	1.8	2 • 2	1.3	1.5	• 1		<u> </u>			5.5	13.4
NNW	• 3	1.	3.4	4.6	2.4	1.3						10.0	13.t
VARSL										<u> </u>			
CALM	$\times$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$		2.9	
	2.2	15.	27.3	32.7	13.0	5.9	• 1					103.3	11.5

			103.3	11.5
TOTAL NUN	MBER OF OBS	ERVATIONS _		675

AL CLIMATOLOGY HRANCH TETAC EATHRO SERVICEZMAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR ART FARGO NU	74-81		FER
STATION	STATION NAME		YEARS	BONTH
		ALL WEATHER		1805-2463
		CLA96	<del></del>	HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	- 4	1.0	5.3	7.7	3.5	•9						19.3	12.5
NNE		• 0	2.1	1.3		•1						4.1	9.0
NE	• 4	1.5	• 0	• 3								3.1	6.4
ENE	• .	1.6	• 3	• 4							-	2.7	€ • 4
E	• 5	• 10	1.0					<u> </u>	<del> </del>	<u> </u>		2.2	5.0
ESE	.1	• 7	1.2	•1								2.2	7.1
SE		1.	1.9	1.5	.4	• 3						5.2	10.7
SSE	.1	• 4	1.9	3.8	1.2	• 4		ļ — —				c - 1	13.0
5	• 1	1.:	6.9	4.0	• 9							13.7	10.3
ssw		• 7	• 6	• 3		• 1						1.€	9.6
sw		1.2	1.3	•1								2.7	7.4
wsw	•1	1.3	1.3	• 3								3.5	6.8
w	•6	1.3	1.6	.7								4.3	7.4
WNW		1.2	• 6	2.2	. 4							4.4	10.6
NW	• 3	1.6	2.1	2.4	1.3	• 1						7.8	11.0
NNW	• 1	1.€	• 9	2.7	1.6	• 7	• 1			1		7.€	13.4
VARBL													
CALM		> <	$\supset <$	> <	> <	>>	> <	><	$\supset <$	$\supset <$	> <	7.1	
	3.4	19.6	29.6	27.9	9.4	2.8	. 1					170.0	9.8

TOTAL NUMBER OF OBSERVATIONS 676

TO AL CLIMATOLOGY SHANCH OF CTAC

A SATHSK SERVICEZMAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HTCTOP APT FARGO NO	74-21		FEB
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		2100-2300
		CLASS		HOWRS (L.S.T.)
		COMPLTION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	2.5	5	5,3	3.5	• 6						17.1	12.2
NNE	• 3	• 4	1.3	1.6	• 3							4.5	10.7
NE	• 3	1.5	1.3									3.1	6.5
ENE	• 1	1.7	• 1									1.3	5.1
E	• 3	1.5	• 1									2.1	5.
ESE	- 4	ث.	1.7	• 3								2.7	6.4
SE	• 1	• 4	1.3	1.3	• 3							3.5	16.5
SSE	• 1	. 4	1.5	3.4	1.3	• 7						8.0	14.7
5	•	2.7	5.6	6.2	1.7	• 1						17.0	15.4
SSW	• 3	1.3	1.0	. 4								3.7	7.4
sw		1.2	+6									1.5	6.3
wsw	• 4	1.9	1.3		• 1							3.5	6.3
w	• 3	2.2	1.3	1.0	• 1							5.0	3.1
WNW	• 1	1.0	1.2	1.9	• 3							4.5	10.4
NW		1.5	2.2	2.5	• 3	• 3						6	10.5
NNW	• 1	1.3	1.6	2.4	1.8	• 6						2.3	12.3
VARBL										ļ			
CALM	$\supset <$	> <	> <	$\supset \subset$	>>	$>\!\!<$	>>	$>\!\!<$	$\supset <$	> <	> <	7.4	
	3.4	22.4	25.5	25.4	9.6	2.4					=== <u>+1                                  </u>	100.3	٤. ٥

TOTAL NUMBER OF OBSERVATIONS 572

L HAL CEIRATOLOGY ERANCH INCIRC - EXTRES SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	MECTOR ART FARGO NU	74-91	rξ
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	FLL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	2.4	4.8	5.8	3.4	1.4	• ?					12.4	12.0
NNE	• ?	• 7	1.6	1.0	• 2	• (						3.7	9.5
NE	. ?	• 7	8.	• 3								2.3	7.2
ENE	• 1	• 6	• 5	• 3								1.6	6.9
E	• 3	• 0	• 5	• 2								ن د د	5.5
ESE	• 2	• 7	1.7	• 3								2 . ?	7 • 1
SE	• 1	1.1	1.3	1.4	• 3	•1						4.3	10.2
SSE	• 1	• 8	1.9	3.0	1.8	₹.					1	3.4	13.6
5	• 4	2.6	5.4	4.8	1.2	• 2						14.5	10.3
SSW	• ?	1.3	1.7	•6	• [	• []						3.7	7.9
sw	•2	1.3	1.1	. 4								2.9	7.1
WSW	• ?	1.3	1.1	• 5	• 0							3.1	7.1
w	• 4	1.5	1.4	1.0	• 3	• □						4.6	8.7
WNW	• 4	1.1	1.6	1.3	• 3	• 3						5.4	13.1
NW	• 4	1.4	2.4	2.0	•6	• 7	• 1					7.5	11.4
NNW	• 2	1.0	2.7	2.7	1.6	• 8	• 1					10.1	12.3
VARSL													
CALM		$\supset <$	>>	> <	$\supset <$	$>\!\!<$	><	$\supset <$	$\supset <$	><		5.5	
	3.9	20.7	29.€	25.7	9.9	4.4	.4					170.0	11

TOTAL NUMBER OF OBSERVATIONS

5423

USAFETAC  $\frac{\text{FORM}}{\text{JUL-64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TAL CLIMATOLOGY BRANCH PRITAC PRITAC SC VICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	HECTOP APT FARGO NO	74-81	мда
STATION	STATION NAME	YEARS	80418
		ALL WEATHER	J030+020J
		CLASS	HOVES (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	s4 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• ?	1.3	7.0	5.2	1.5	• 0						13.2	12.1
NNE	• ?	1.5	ے د ا	• 8	• 9	<b>4</b>						6.2	10.
NE		1.5	• 9	. 4	. 4	• 1						3.5	9.
ENE		• >	• 5	. 7								2.2	7.9
E	• 3	1.3	1.3	. "								3.4	6.
ESE		1.3	. 4	• 1	• 3				I			2.2	7.0
SE		1.3	1.9	2.7	1.1	• 3						7.3	11.
SSE	. ?	• 7	2.4	2.0	1.3	. 7						7.7	12.
8	• 7	3.9	6.3	3.9	1.2	• 1						16.1	9.4
SSW	• 7	1.1	1.7	• 1								3.2	7.
5W	• 5	1.5	. 8									3 • C	5.4
wsw	• 1	9	• 9	• 7								2.7	ĉ.
w		2.0	• 8	• 1								3.0	6.
WNW		2.3	1.9	1.2	• 3							E • 6	6.4
NW	• 1	1.7	1.9	1.3	• 9	• 3		I				5.3	10.5
MMM	• 1	1.6	3.1	2.3	• 8	. 4						5.3	10.8
VARBL													
CALM	$\supset <$	$\times$	> <	><	$\times$	$\times$	><	$\supset <$		$\supset <$	$\supset \subset$	6.3	
	3.4	25.5	30.8	22.0	8.7	3.2				1		170.0	у.

				5.3	10.8
$\leq$				6.3	
				170.0	y•3
	TOTAL NUA	WER OF ORS	ERVATIONS _		744

AL QUIMATOLOGY BRANCH FRIAC EATHER SERVICEZMAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	SECTOR APT FAPGO NO	74-81		<b>∨ A</b> ⊲
STATION	STATION NAME		YEARS	804TH
		ALL WEATHER		J <b>336-</b> 6563
		CLASS		HOVES (L.S.T.)
		CLASS		HOVES

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	2.4	4.0	2.8	1.2	٠,	. 1					12.4	11.0
NNE		1.	1.3	1.9	1.2	• 3	• 1					5.2	12.5
NE	• 7	• -,	• 9	• 8	. 4							3.4	5.3
ENE	•	• 5	• 4	• 5								1.7	7.2
E	• 1	1.3	1.2	•1	· · · · · · · · · · · · · · · · · · ·					<del></del>		5	6.9
ESE		1.7	1.6	•1								3.5	6.9
SE	1	• 6	2.3	2.4	• 4	• 1						5.6	11.5
SSE		• 4	2.3	2.2	1.1	• 0						5.9	13.7
s	• ?	4.7	6.9	4.4	.7	• 3						16.5	3.4
SSW	• 3	2.2	• 7	.7								3.8	6.5
sw		1.0	•1	. 4								4	6.5
WSW	• 3	• 0	• 9	-8								3.0	8.2
w	.7	1.	1.9	. 8								5.0	7.1
WNW	• 1	1.2	• 3	1.5	• 3							4.0	10.0
NW		1.3	1.3	2.9	• 5							5.2	16.€
NNW	• 1	• 3	2.3	3.8	• 9	• 3	• 1					3.3	12.3
VARBL													
CALM	$\times$	$\times$		>>	>>	>>	$\searrow$	><	$\supset <$		$\times$	8.2	
	3.8	23.3	29.2	25.3	7.1	2.8	.4					170.0	9.3

	TOTAL NUA	ABER OF OBS	ERVATIONS		744
				170.0	9.3
$\leq$	$\geq$	$\geq \leq$	$\times$	8.2	

USAFETAC FORM  $_{\rm AUC.64}$  0-8-5 (OL-A) Previous editions of this form are obsolete

CATHON SERVICE/ 440

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1.	PECTOS APT FARGO NO	74-81		• A =
STATION	STATION NAME		TEARS	MONTH
		ALL MEATHER		369 <b>0-</b> 0800
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	2. '	4.7	2.7	1.2	1.5	• 1					12.3	12.1
NNE		1.	1.3	• 7	. 7	. 4						5.0	13.7
NE	• !	1.2	• 7	1.3	• 3	_• 1		}				3.2	10.1
ENE	• i	2.2	.4	.4		• 1						3.2	7.0
E	• 4	1.3	1.5	• 3	• 1							3.6	7.6
ESE	• 3	1.6	1.2	• 7	• 3							4.0	8.0
SE	• 3	1.7	1.9	2.6	• 5	. 4						7.4	10.6
SSE	• 1	• 15	1.5	3.1	• 7	• 5						3.7	12.4
\$	• 3	3 • ⊕	6.7	4.3	• 5	- 4		l	I			1:.2	10.0
SSW		2.2	• 9	• 7	• 1							2.9	7.8
SW	• 1	1.2	• 3	• 1					Ī			1.7	€ • 2
wsw	• 1	. 7	• 9	• 5								2.3	8.1
w	•	1.2	1.9	• 9	.4							4.6	ნ.9
WNW		• 4	1.2	2.3	• 4							4 . 3	15.7
NW	• 1	1.3	1.7	1.5	• 1	• 3						5.1	10.1
MMM	. 4	1.3	2.0	3.6	1.1	• 7	• 1					9.3	12.1
VARBL													
CALM	$\supset \subset$	>>	><	$\supset <$	><	$\times$	><	><	$\supset <$	><	><	ۥ3	
	3.8	24.1	29.9	25.7	6.5	4.6	. 3	<del></del>				100.5	9.6

				4.3	10.7
				> • <b>1</b>	10.1
				→ 3	12.1
$\leq$	$\times$	$\times$	$\times$	t • 3	
				100.5	9.5
	TOTAL NUA	MER OF OU	ERVATIONS		744
			_		

AL CLIMATOLOGY REANCH EATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	74-21		мдн
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		U938-1177
		CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	• 5	1.7	4.5	5.5	2.7	1.7	• 1		_	†		10.4	13.3
NNE	• 3	• 3	2.2	• 9	• 5	• 5						5.4	10.0
NE		• 5	1.7	1.2	• 3							3.8	15.6
ENE	• !	• 4	2.2	• 4	• 4							3.5	9.5
£	• 1	• 3	• 7	1.2	• 3							2.6	10.€
ESE	• 3	• 5	1.3	1.1	• 1							3.4	9.2
SE		• 5	2.0	1.7	.7	• =						5.5	12.4
SSE		• 4	1.6	2.6	2.0	• 3						6.9	14.0
S	• 1	2.2	3 • 8	5.4	1.3	. 4	• 1					1 3	11.7
SSW		• 7	2.0	1.2								3.9	9.1
SW		1.2	• 8	1.2								3.2	9.0
WSW	• 3	• 5	• 9	• 5								2.3	8.4
w	+	1.6	1.9	1.3	• 4							5.6	8.9
WNW		• "	• 7	2.7	• 7	. 4						5.0	13.5
NW	• u	• 4	• 7	2.2	1.1	• 5	• 1					5.4	14.1
NNW	• 7	1.5	2.2	3.0	2.0	• 9	• 3	. 4				10.6	14.0
VARSL													
CALM	$\times$	$\times$	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$>\!\!<$	><	$\supset <$	$\supset <$	><	3.4	
	3 • O	14.7	29.6	32.1	12.5	5.4	• 7	. 4				100.0	11.5

	1		ļ	シ・し	13.5
				5.4	14.1
. 4				10.6	14.0
$\leq$	><	$>\!\!<$	$\geq \leq$	3.4	
. 4				130.0	11.5
	TOTAL NUM	ABER OF OBS	ERVATIONS		744

LE MAL CLIMATOLOGY SEANCH CATHER SERVICEZMAS

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	ALCTUR AFT FARGO NO	74-81	HAS
STATION	STATION NAME	TEAMS	MONTH
		ALL WEATHER	1200-1400
	<del></del>	CLASS	HOWES (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• "	2.5	3.2	5.0	2 • 9	2.4	• 5				<u> </u>	17.7	14.1
NNE	• 1	• "	2.0	1.1	• 4	.1						4.3	13.4
NE	• 5	• 7	1.6	3.	• 5							3.9	10.7
ENE		• 1	• 5	. 4	• 3	• 3						1.5	. 13.8
8	• 3	• 5	1.1	1.1	• 5							3.5	10.3
ESE	• •	• 1	1.1	1.2	• 3							3.1	10.2
SE			J. C.	1.3	.8	• 3						4.4	12.6
SSE		• 7	1.1	2.3	2.4	• 5						7.3	14.5
\$		• 3	3.2	7.3	2.0	• 1				_		13.3	12.5
SSW	• 7	• E,	1.7	.4	• 4							3.4	9 • Š
sw		• 9	1.2	1.3								3.5	9.3
wsw		• 4	1.7	.5								2.7	3.€
w	.4	1.2	1.7	• 9	• 1	•1						4.6	٤.7
WNW	• 1	• 3	• •	3.0	. 9	. 4						£ • 6	14.1
NW	• 4	. 4	1.1	2.8	1.3	1.1	• 1					7 • 3	14.2
NNW	• 1	1.5	3.0	2.8	3.0	1.2	• 5	• 1				12.2	14.5
VARBL													
CALM		><	><	><	>>	$>\!\!<$	> <	$\supset <$	$\supset <$	><	$\supset <$	1.7	
	3.1	10.6	27.3	33.2	15.9	6.6	1.2	.1				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 744

YATHE SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 4	HECTUR ART FARGO NO	74-81	M <b>A</b> C
STATION	STATION MANE	TEARS	BONTH
		ALL HEATHER	1500-1700
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	2.	4.6	K.3	3.9	2.6	• 5	• 1				23.6	14.4
NNE	• :	• 7	1.3	1.2	. 4	• 5						5.5	11.2
NE		• *	• 0	1.6	• 5							3.6	11.5
ENE	• 1	• 7	. 7	•7	• 3							2.4	ु • उ
E	• 1	• 5	.7	1.3	• 1							2 • 9	10.3
ESE		• 7	1.5	.7	• 3	• 1						3.2	10.0
SE		• 14	1.2	1.5	1.1							4.2	12.6
SSE		• 5	1.5	3.9	2.0	1.7						9.7	15.1
5	• 7	1.2	3.5	5.4	1.1	3						11.7	11.3
SSW		• 7	1.3	• 9	• 1							2.7	10.5
sw	• 3	• 3	1.2	• 5								2.3	8.5
W\$W		• 3	1.2	.1	.1							1.7	8.5
w		1.2	1.6	1.2	• 3							4.6	9.4
WNW	- 3	• 7	• 9	1.7	• 5	• 5						4.7	12.7
NW		• 5	1.3	2.4	2.6	• 8						7.7	15.0
NNW	• 1	1.5	2.4	4.0	2.3	. 7	• 3					11.3	13.5
VARBL													
CALM	$\supset <$	$\supset <$	$\supset <$	><	$\supset <$	><	><	$\supset <$	$\supset <$	$\supset <$		1.0	
	2.2	12.0	26.5	33.6	15.5	7.3	1.1	• 1				130.0	12.4

				1	1303
	$\sim$	$\searrow$	$\times$	1.0	
_	$\longrightarrow$	$\longrightarrow$	$\overline{}$		
Į.				130.0	12.4
	TOTAL NUM	late of Obs	ERVATIONS		744

THE PAL CLIMATCHOLY REANCH EATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 4	SECTOR APT FARGO NO	74-81		14 A .:
STATION	STATION MAME		YEARS	MONTH
		ALL WEATHER		1500-2000
	<del></del>	CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N	• •	2 • 2	5,• 7	4.6	3.4	1.1	• 5					17.5	12.4
NNE		• 5	2.7	2.0	• 5	. 8						7.5	11.4
NE	. 7	1.2	1.5	.7	- 3							4.3	3.2
ENE		• 7	- 5	. 4	• 1				L			2.0	9.5
E	• 3	1.5	1.2	- 8	• 1							3.9	8.7
ESE		1.1	1.3	- 3	• 1							2 ⋅ €	7.7
SE	• 1	2.0	1.7	1.9	• 8							6.5	10.0
SSE	• 1	• 4	2.7	3.4	1.3	1.2						9.1	13.5
S	• *	2.6	4.3	4.4	• 8	3						12.9	10.0
SSW		ů.	. 9	• 3	• 3	F."						2.3	9.0
\$W	• 4	1.3	.7	• 1	• 1							2.7	6.3
WSW	• 3	_ • •	• 7									1.9	5.6
w	• .	. 5	• 9	. 4		• 1						2.4	7.9
WNW		1.6	1.6	1.1								4.3	8.5
NW		1.2	1.9	2.7	1.3	• 5						7.7	12.5
NNW		1.7	1.9	3.4	• 8	• 7					I	7.9	12.3
VARBL													
CALM		$\geq \leq$	$\geq \leq$	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq <$	4.4	
	3.9	20.5	29.4	26.3	10.1	4.7	_ ,5					100.ព	10.3

AL CLIMATOLOGY READER FATHER SERVICEZMAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 % 1 +	HOOTOR AFT FARGO ND	74+81		мдя
STATION	SHAM MOITATE		YEARS	MONTH
		ALL WEATHER		.179-2300
		CLASS		HOURS (L.S.Y.)
	1			
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• :	4.2	4 • ^	4.4	2.2	1.2						16	11.1
NNE		1.5	1.7	1.7	• 9	••						5.7	11.5
NE	• (	1.0	1.1	• 3	• 5	• 1						4.2	3.4
ENE		1.9	. 7	• 3								2.5	6.3
E	.7	1.1	• 4	- 9	• 1							3.2	દ •
ESE	•	1.	1.5	. 4								4.2	6.5
SE		• 3	1.3	2.0	• 4	• 1						5.4	13.4
SSE	• 14	1.1	2.8	3.0	1.3	1.2						7.3	12.7
\$	. 7	2.4	4.9	4.4	.7	•1						13.2	9.0
SSW	1	• 2	1.1	.7	• 1							2.07	9.3
SW		1.2	• 5									1.7	6.2
W\$W	• 1	1.2	1.1	• 5				i				3.0	7.9
. W	1	2.	1.9	• 3	• 1							+ • 3	7.4
WNW	• 1	1.1	• 8	• 3	• 1		• 1					2.5	8.6
NW	• :	1.7	1.1	2.8	• 7	• 5						7.1	11.5
NNW	• 3	1.0	2.7	1.5	.7	• 8	• 1					7.7	11.2
VARBL													
CALM	><	><	><	><	$\times$	><	$\geq <$	> <	$\supset <$	><	><	4.6	
	Fen	26.2	27.6	23.6	7.9	4.8	• 3					150.0	y . ?

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY BRANCH 1 (TAC) 2 MTHER SERVICE MAI

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	HECTOR APT FARGO NO	74-91		V42
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
	<del></del>	CLASS	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	2.3	4.2	4.7	2.3	1.6	• 3	• 7				15.5	12.3
NNE	• 2	1.2	1.9	1.3	.7	• 5	• 3					5.7	11.2
NE	• 3	1.)	1.2	• 9	.4	• 1						3.	9.6
ENE	- 1	1.0	• 7	• 5	• 1	• 1						2.4	5.6
E	• 3	1.	1.0	8.	• 2							3.2	€.5
ESE	• 2	1.1	1.2	•6	• 2							3.5	6.2
SE	• 1	1.5	1.8	2.0	3.	•2						5.9	11.4
SSE	• 1	• 7	2.0	2.8	1.5	٠						5 • €	13.6
\$	. 4	2.4	4.9	4.9	1.0	• 3	• 0			1		14.)	13.5
SSW	• 1	1.1	1.3	•6	• 1							3 • 2	6.5
SW	• 2	1.2	• 7	• 5	•3							2.5	7.4
wsw	• 2	• 7	1.1	. 5	• 0							2.4	5.€
w	• 3	1.4	1.6	3.	• 2	•0						4.3	8.2
WNW	• 2	1.7	1.1	1.7	.4	• 2	•0					4.5	11.7
NW	• 2	1.1	1.4	2.2	1.1	• 5	• 3					5.5	12.5
NNW	•?	1.4	2.4	3.0	1.4	• 7	• 2	• 1			`-	9.5	12.8
YARBL													
CALM	$\supset \subset$	$\times$	$\geq <$	><	> <	><	> <	><	$\geq$	><	><	4.6	
	3.5	19.5	28.5	27.7	10.5	4.9	• 6	• 1				150.0	10.0

OTAL NUMBER OF OBSERVATIONS

AL SETHETOLOGY BRANCH CHETAG GEATH, A SETVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 15	HECTOR AFT FARSO NU	74-ë 1		4 P
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• •	2.1	4.3	4.0	2.1	• 4	ĺ					13.3	11.5
NNE	• 1	1.	2.2	1.8	• 3							C • .	9.5
NE	• 4	1.4	1.0	1.7	•1							4.0	6.9
ENE		1.4	2.4									3.7	6."
E	• 3	2.5	2.6	.7	•1							0.5	7.7
ESE	• 1	2.1	1.7	2.6	• 3							£	C. :
SE		1.4	1.2	3.3	1.3	•1						7.5	11.0
SSE	• 1	• 4	1.8	4.6	1.9	1.7						5.9	14.2
5	• 5	3.2	3.1	2.1								3.5	6.2
\$5W	• 3	1.	1.1	•1								2.5	6.5
SW	• 1	1.2	1.0	• 3								2.6	7.1
WSW		1.	. 4	• 1								1.5	5.3
W	•	1.4	1.2	1.0								3.9	3.1
WNW	• 14	1.1	2.1	1.2	• 1							5.0	8.3
NW	• 2	1.1	1.5	• 1	• 0	• 3						4.2	10.5
NNW		1.3	2.4	1.1	1.1							6.4	10.5
VARSL										ĺ			
CALM		><	><	$\supset \subset$		$\supset \subset$	$\supset \subseteq$		><	><	><	ა∙5	
	3.5	24.9	30.6	24.9	7.9	1.8						133.3	9.4

			100.0	9•1
TOTAL NUA	ABER OF OBS		720	

AL CLIMATOLOUY BRANCH TAC DAMNSOLVES AT 10% SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 10	SECTOR APT FARGO + D	74-81	د <b>خو</b> پئے
STATION	STATION NAME	TEARS	HONTH
		ALL WEATHER	1339 <b>-</b> 350^
		CLASS	HOURS (L.S.Y.)
		CONDITION	<del></del> -

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
×	• 7	3.1	4.4	4.0	1.7	٥						14.3	13.9
NNE	•	1.5	1.7	1.8	. 4							5.1	10.1
NE	• 3	1.7	• 8	1.1								3.9	7.8
ENE	• 1	2.1	1.0	. 4								3.6	7.1
E	• 4	2.1	2.1	1.5	4							5.5	6.5
ESE	• !!	1.5	1.4	1.9	•6	• 1						6.0	9.8
SE	• 3	1.4	2.4	2.9	.7	• 1						7.4	11.0
SSE		• G	2.5	4.3	1.0	1.2						9.7	13.€
5	• 4	3.2	3.2	3.3		• 1						13.3	8.7
SSW	• 3	1.0	1.1	• 1								3.5	5.1
sw	• 3	• 7	• ?	• 1								1.4	6.0
wsw	• 1	• S	. 4	• 3								1.7	7.3
W.	• 1	1 • 35	1.5	• 7								4.2	7.9
WNW		1.1	2.2	• 7	• 1							4.2	5.5
NW	• 3	1.9	1.5	• 7	• 3							4.3	10.5
MMM	• 3	1.8	2.5	1.0	1.5							7.1	10.2
VARBL													
CALM	$\boxtimes$	> <	> <	$\supset <$	$\times$	> <	$\supset \subset$	$\supset <$	$\supset <$	><	> <	6.3	
	3.9	25.1	29.3	25.0	7.2	2.5						186.0	9.1

TOTAL NUMBER OF OBSERVATIONS 72.

COLAR CLIDATOLOUY BRANCH COLARD SERVICENMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	HOUTOR APT FARGO NO	74-81		APF
STATION	STATION NAME		YEARS	MONTH
		ALL REATHER		J680-9498
	<del>- ·</del>	CLASS		HOURS (L.S.T.)
		COMPLTION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 56	*	MEAN WIND SPEED
×	• 1	2.2	3.9	3.9	1.9	1.1	• 1					13.3	12.4
NNE	• 7	• 5	3.1	2.6	. 4							6.9	10.5
NE	• ?	1.0	• 6	1.7	. 1							3.6	9.5
ENE	• 7	• 8	1.0	1.4	• 3							4.2	6.9
ŧ	_ • ′	1.0	1.4	1.2								3.9	έ.9
ESE	• *	1.7	1.4	2.1	7							5.4	<b>9.</b> 9
SE	• 5	1.7	2.5	3.1	1.1	• 1						9.0	13.7
SSE		1.0	1.8	4.6	1.2	1.4	• 1					10.1	14.5
S	• 1	3.2	3.7	3.5	• 3	• 1	• 1					11.1	9.7
ssw	• 1	• ჩ	1.0	• 3	• 1	• 1			<u> </u>			2	9.4
sw	• 3	•	•					<u> </u>			<u> </u>	1.2	5.9
wsw	• ₹	• 4	• 1	• 1		• 1						1.1	5 • C
w	• 7	1.2	2.1	1.1	• 1	• 1						5.00	9.0
WNW	• 3	1 • 1	1.4	• 6		• 1		<u></u>	<u> </u>			3.5	5.1
_NW_		1.3	2.2	1.5	. 4	• 3	• 1	• 1				5.7	11.6
NNW		1.5	1.1	2.6	1.1	• 3						5.7	12.1
VARSL													
CALM	$\geq \leq$	$>\!\!<$	$\geq <$	$\geq \leq$	><	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	ಕ•೦	
	4.2	19.3	27.8	30.3	7.9	3.9	•6	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\text{FORM}}{\text{JUL-64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TAL CLIMATOLOGY TRANCH TTAC TATHER SERVICTIMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	COTOD APT FARGO NO	74-81	<b>&amp; P</b> P
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	C909-1100
	<del></del>	CLASS	HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	• 4	1.9	ۥ0	3.6	1.7	• 6		·			14.3	15.9
NNE		• !	2.9	3.6	1.4							• •	12.0
NE	• 4	• 6	1.1	1.3	8.							4.0	10.7
ENE		• 7	1.7	1.0	• 1					}		3.1	7.5
E	• 1	• 4	1.0	1.5	•1							3.2	10.3
ESE	• 7	• 6	3.	1.7	1.0	• 1						4.4	12.2
\$E	• 6	• 65	2.8	3.6	1.0	• 1	• 1					8.7	11.9
SSE	• 1	• 4	2.0	3.1	1.5	1.8	• 1		!			15.0	14.5
5	. 4	1.2	3.7	5 • 3	1.9	. 4	• 1					13.2	12.3
SSW		• 3	• 3	. 4	. 4	• 6	• 1					2.5	14.1
\$W		• 7	1.1	. 4	.4							2.0	10.1
WSW	• 1	• 7	•	• 7								1.9	€ • 8
W	- 1	• f.	1.1	1.4	• 3							3.5	10.3
WNW	•	1.0	. 7	<b>.</b> R	•		•_3					3.5	11.3
NW	• ?	1.5	1.8	1.2	• 6	• ₺		. 1				ک∙د	12.4
NNW	. 1	1.2	2.5	2.6	1.7	• 6	• 1					0.9	12.5
VARBL													
CALM		><	$>\!\!<$	><	$>\!\!<$	><	><	><	><	><	><	1.1	
	3.2	11.4	26.4	35.1	15.3	5.8	1.5	.1				170.3	12.5

IAL	NUMBER	OF	OBSERVATIONS	72	

USAFETAC  $\frac{\text{FORM}}{\text{JUL-64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY REANCH L'OTAC FATOTA SERVICEZMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 4	HECTOR APT FARGO NO	74-91			APP
STATION	STATION MARK		YEARS	<del></del>	BONTH
		PERTARA PAR			1000-1400
		CLASS			MOVES (L.S.T.)
		COMPLYION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		1.1	3.1	5.3	4.6	2.5	• 4					17.1	15.7
NNE		• 7	2.4	4 . 4	• 8	•3						8.6	12.2
NE	• 1		1.8	1.0	• 9							4.0	12.2
ENE	• 1	• 3	1.3	1.4	• 1							2.9	10.1
E	• 6	• 7	1.1	1.0	• 7	•1						4.2	10.7
ESE		• 5	1.0	1.2	1.1	• 1						4.3	12.5
SE	• 1	• 7	1.4	3 • 3	1.9	• 1						7.6	13.5
SSE	• 1	• 7	• 3	4.2	2.8	1.8						5.0	16.1
5	• 1	1.4	2.2	3.3	1.7	• 7						4.4	12.9
SSW		• 4	œ.	• 3	• 3	• 7	• 1					2.6	14.6
sw	• 1	• 4	• 8	1.1	• 6	• 1						3.2	11.9
WSW		• 3	• 5	1.5	• 6		• 1					3.1	13.4
		• 5	1.4	1.0	. 3	. 4						3.6	11.9
WNW		•6	1.7	1.5	1.2		• 1					٥٠١	12.6
NW		1.1	• 7	1.4	• 7	•7	• 1	• 1	L	L		4.9	14.1
NNW	• 1	• 7	2.2	3.1	•8	- 6	• 6	• 1				3 • 5	14.2
VARBL										L			
CALM		$>\!\!<$	$\searrow$	$>\!\!<$	><	$\times$	$>\!\!<$	><	><	><	><	• 7	
	1.5	10.1	22.4	36.0	18.9	8.6	1.5	• 3				100.0	13.5

IOTAL	NUMBER	OF	OBSERVATIONS	720	)

TELEAL GLIMATOLOGY BRANCH LIMITAC AT LEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -14	HICTOR APT FARGO NO	74-81		AP÷
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
	<del></del>	CLASS		NOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	1.4	3.1	4.7	4.3	2.5	• 1					16.4	14.7
NNE	• 1	• P	1.5	5.6	- 8	• 3						у•2	12.7
NE	• 2	1.7	2.5	2.9	.7	•1						7.4	11.0
ENE		• 5	1.1	1.5								2.9	11.0
E	• 3	1.7	1.4	1.0	. 4	• 1						4.2	9.6
ESE		_ 4	. 7	1.2	1.2							3.6	12.8
SE	• 1	7	2.5	3.7	1.0	• 1						3 • 2	12.1
SSE		• 8	1.2	3.2	2.4	1.4						y • C	15.4
\$	• 1	• 7	2.6	3.3	1.2	7						3.7	12.7
SSW	• ?	• 5	1.0	1.1	. 4	1						3.5	11.2
sw	• 1	. 7	• 4	. 8	• 6	•1						2.5	12.3
WSW	• 1	• 6	• 6	• 6								1.8	8.5
w		• 3	٩	2.2	• 6	• 1						4.0	12.7
WNW		• 1	1.5	1.1	1.0	• 3	• 1					4∙2	13.5
NW	• 1	• 6	1.9	1.1	• 7	• 1	• 1					4 • 7	11.7
NNW		• 3	1.0	2.8	2.1	1.2	• 1	•1				7.6	16.4
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\times$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.5	
	1.8	10.1	23.9	36.9	17.4	7.4	•6	•1				120.0	12.8

•1				7.6	16.4
$\leq$	$\sim$	$\sim$	$\sim$	1.5	
.1				138.8	12.8
	TOTAL NUA	ABER OF ORS	ERVATIONS _		723

1 FAE CETHATCHOSY PHANCH FATHER SESVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1-	HEGTUR APT FARGO LE	74-81	AP=
STATION	STATION NAME	TEARS	MONTH
		ALL WEATHER	1838-0180
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	2.	3.5	5.4	3.1	• €						15.8	12.4
NNE	• 1	2 • :	2.2	3.1	• 3							٤.5	9.5
NE	• 3	2 • 5	2.5	2.8	. 7	• 1						9 • ?	9.7
ENE	• 3	• 7	1.7	1.1	• 1							3.9	5 <b>. 7</b>
E	• t	1.4	1.1	.7	. 1	• 1						3.6	9.0
ESE		1.7	1.4	1.7	• 6	• 1						5 • 4	10.4
SE	• 3	1.7	3 • 3	4.3	1.1	• 3						11.5	11.1
SSE		• ;	1.9	3.3	1.1	- 3						7.5	12.4
5	• 7	2.1	3 • 2	7.6	.7	• 1						9.5	9.9
SSW	• 1	•1	- 4	1.2								1.9	11.3
sw	• ?	4	• 1	. 7	• 1							1.7	9.4
WSW		• 6	• 3	• 3								1.1	8.4
*	• 1	1.2	• 8	1.8					I			4.3	9.6
WNW		<b>●</b> F.	1.2	1.2	• 3							3.3	10.3
NW		• 0	1.7	.7	• 4							3.6	9.9
NNW	• 4	1.1	. 7	2.1	2.1	• 3						7.5	13.3
VARBL													
CALM	$\nearrow$	><	><	><	><	> <	><	> <	><	$\supset <$	><	2.08	
	2.6	21.5	26.1	34.0	10.7	2.2						173.3	10.5

_	$\sim$	2. •	
		100.0	10.5
	 	 <u> </u>	

G MAL BETMATOLOGY BRANCH GETTAG # EAT-SK SENVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 +	HELTUR APT FARGO NO	74-81	450
STATION	STATION NAME		EARS MONTH
		ALL WEATHER	2100-2390
	<del></del>	CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• `	2.1	3.2	5 • 1	2.6	• 3						13.6	12.1
NNE	• 7	1.7	2.6	2.8	• 1							7.9	9.2
NE	• 3	1.2	1.9	1.8								5.3	8.9
ENE	• .	2.1	1.9	1.5								5•€	8.5
E	• 4	1.7	2.9	• 6	• 3	. 1						6.0	8.3
ESE		2.2	1.2	1.2	•6							5.3	9.1
SE		3.3	2.6	3.3	. 8	• 3					L	10.4	10.3
SSE	• 1	1.9	2.6	4.9	1.2	<b>.</b> 6						11.2	11.9
<u> </u>	• 3	1.3	2.2	2.6	• 7	• 1	• 1	L				7.9	10.5
ssw	• 3	. 4	1.3	•6				L				2 • 2	6.1
SW	• 1	. 7	. 4	• 1								1.4	6.5
wsw		1.4	• 3									1.7	5.6
w	• 1	1.7	1.4	1.4	. 4		L	L				5 . 3	9.1
WNW	• 3	a	1.1	. 4								2.5	7.5
NW	• 4	•	1.2	• 6	. 4							3.1	9.2
NNW	• 3	1.4	1.9	1.2	1.0	• 1						5.8	10.6
VARBL													
CALM	$\times$	$>\!\!<$	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4 • 4	
	3.9	25.0	28.6	28.2	8.2	1.5	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

720

H TAL CLIMATOLOGY BRANCH TITAC - TREATHTH SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARSO NO	74-91		\$4\$
MOTATE	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
	<del></del>	CLASO	<del></del>	HOURS (L.S.T.)
	<del></del>	COMPLETION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•7	1.3	3.4	4.8	3.0	1.3	•2					14.3	13.3
NNE	• 2	1.2	2.3	3.2	• 6	•1						7.6	16.5
NE	• 3	1.2	1.5	2.0	. 4	• 0						5.4	19.0
ENE	• 2	1.0	1.4	1.0	.1							3.8	8.7
E	• 3	1.4	1.7	1.0	• 3	•1						4.8	8.9
ESE	• 7	1.3	1.2	1.7	• 7	•1						5.2	10.5
SE	• 7	1.4	2.4	3.5	1.1	•2	•0					3.7	11.5
SSE	• 1	• ३	1.9	4.0	1.6	1.2	• 0			<u> </u>		9.7	14.1
S	• 3	2.1	3.0	3.3	.8	• 3	• 1					4.5	10.7
SSW	• 2	• 7	• 8	• 5	• 2	• 2	•0			1		2.6	10.1
SW	• 2	• *	•6	• 5	• 2	•€			·			2.1	~ 3
wsw	• 1	• 7	• 4	• 5	•1	•0	• 0					1.0	
w	• 1	1.1	1.3	1.3	• 2	• 1						4.2	4.7
WNW	• 2	• 3	1.5	1.0	. 4	•1	.1					3.7	10.2
NW	• 2	• 9	1.€	• 9	.6	• 2	.1	•1				4.5	11.5
NNW	• 2	1.2	1.8	2.2	1.4	. 4	•1	• 0				7.5	12.5
VARBL				<del>                                       </del>						1			
CALM	> <	>	>	$\sim$	> <	$\times$	$\times$	>>	$\supset <$	$\sim$	><	3.8	
	3.1	18.4	26.9	31.3	11.7	4.2	• 5	•1				198.3	10.9

TOTAL NUMBER OF OBSERVATIONS

5760

PAL CLIMATOLOGY BRANCH CLIAC LATHIN SERVICEZMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1	STOTOP APT FARGO NO	74-81	<b>44</b> 4
STATION	STATION NAME	YEAR	MONTH
		ALL WEATHER	<u> </u>
	<del> </del>	CLASS	HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 0	3.0	2.2	3.1	1.7	•5						12.2	10.5
NNE	• 1	1.2	1.1	• 5	• 1							3.1	• 1
NE	•1	- 8	1.2	. 4								2.6	١.٠٥
ËNE	• 4	1.2	1.2	• 3								3.1	6.3
£	• 1	2.3	3.4	1.6								7.4	8.2
ESE	.7	2.3	2.0	• 3								5.2	6.3
SE	• 3	2.4	3.5	1.9	. 4							8.5	8.8
SSE	• 5	1.5	3.1	5.9	2.2	.4						13.7	12.1
S	ڌ∙	3.4	5.5	5.4	. 4	• 3			{	1		1:.2	9.3
SSW	• 1	1.3	.7	•1					]		i	2.3	5.9
sw	• 4	1.5	. 4	• 3								2.5	5.9
WSW	• 1	1.3	1.2									2.7	6.3
w	• 3	2.2	• 8	• 3								3.5	6.4
WNW	• 7	1.1	1.1	•9								3.4	8.6
NW		• 7	1.3		• 1							2.2	8.1
NNW	• 1	1.5	1.9	1.6	. 8	• 1						0.2	10.3
VARBL													
CALM		> <	> <	$\supset <$	$\supset <$	$\supset <$	> <	$\supset <$			$\supset <$	6.3	
	4.5	28.6	30.5	22.6	5.8	1.3						100.0	<b>ರ</b> • 6

	100.0	<b>გ.</b> 6
TOTAL NUMBER OF OBSERVATIONS		744

HE CLIMATOLOSY SHANCH ETAC HEATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 - HECTOR APT FARSO NO 74-81 MAY

SYATION MARKE YEARS YEARS NORTH

ALL WEATHER - 330-0500

CLASS HOURS (LET.)

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4) - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• *	3.5	3.1	3.1	1.6	• 5	•1		1		<u> </u>	12.2	16.6
NNE	• 7	1.1	2.0	• 4	• 1							3.9	6.1
NE	• •	• 7	.4	• 3								1.9	5.0
ENE	• 4	1.9	2.2	•3								4.7	6.8
ŧ	• 4	1.7	1.2	.8								4.2	7.1
ESE	• 8	1.7	• 8	.9								4 • 3	6.9
SE	• 1	2.4	3.5	2.2	• 3	•1						3.6	9.0
SSE	• 3	2.0	3.0	6.9	1.7	. 4						14.2	12.1
S	1	4.4	5.8	4.3	• 1							14.7	8.5
SSW	• 1	2.0	.4	-8								3.4	7.4
sw	• 3	• €	•1	•1					]			1.3	5.4
wsw	•1	• 3	• 9	•1								1.5	7.5
w	• 5	1.7	1.5	1.3								5.1	7.0
WNW	• 1	1.2	.8	• 5								2.7	7.5
NW	• 4	1.6	1.6	• 8		• 1						4.5	7.4
NNW	.4	• 3	1.5	1.9	• 9							<b>&gt;.5</b>	13.7
VARBL													
CALM		$\supset <$	$\supset <$	$\supset <$	><	>>	$\geq$	$\supset <$	$\supset <$	><		7 • 3	
	5.1	28.0	28.8	24.7	4.8	1.2	• 1					100,0	٠.4

TOTAL NUMBER OF OBSERVATIONS

744

CO. AL CLIMATULOGY BRANCH .. EATHIR SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	74-81	MAY
STATION	STATION NAME	TEASO	80479
		ALL WEATHER	<b>3640-</b> 08 <u>0</u> 0_
	<del></del>	CLAN	HOVES (L.S.T.)
	<del></del>	COMPLETION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	2.2	3.4	5.2	2.3	.7						13.5	12.2
NNE	• 3	• 5	2.4	1.3	. 4	• 1						5.1	3.6
NE	• 7	1.3	2.2	. 4								4.2	7 • 2
ENE	• 7	1.0	- 8	. 4								3.9	5 • €
E	۰٤	1.3	• 9	. 8								3.6	7.5
ESE	• 7	• )	• 9	1.1					L			3.2	8.4
SE	• 1	1.	4.2	2.2	• 3							3.5	7.1
SSE	• '	1.2	3.4	7.8	1.2	• 5			L			14.5	12.5
\$	•	3.1	5.4	4.8	. 4	• 1						14.1	5.9
SSW	• 7	• 4	1.5	1.2				ł	L		L	3 . 8	0.4
sw	• 1	• 1	. 4	• 0	• 1	ł			<u> </u>			2.4	9.7
wsw		٦	• 3	. 5	• 3							1.0	10.7
w	. 1	• •	1.6	.7						l	<u> </u>	3.4	7.0
WNW		. 4	۹ .	1.9	. 4	L				<u> </u>	1	3.4	11.1
NW		• :	• 9	. 9	• 5			L		L	<u> </u>	3.0	10.6
NNW	• 1	1.2	1.7	2.3	۰٥	[		<u> </u>	l			6.3	11.0
VARBL													
CALM		><	$\supset <$		><	$\supset <$	$\geq \leq$	$\geq <$	$\geq \leq$			5.0	
	4.4	19.0	30.9	32.5	6.9	1.5						100.6	5.7

TOTAL NUMBER OF OBSERVATIONS

TO PART CLIMATORDEY FRANCH STETAC STATES SERVICEZMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 ·-	MECTUR ART FARGO NO	74+81		444
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		900-1 <b>1</b> 00
	<del></del>	CLASS		HOURS (C.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•	1.7	2.8	<b>6.3</b>	3.9	9.						15.9	13.3
NNE		• 7	1.5	3.4	• 4							5.8	11.2
NE	• 1	.4	1.9	• 9	• 3							3.0	10.5
ENE		• 3	• 4	• ₹								1.2	2.2
	• 1	• 7	1.5	• 9	• 3							3.5	9.5
ESE		1.3	1.6	1.1	• 5						]	4.6	9.4
SE		1.3	2.3	3.1	• 3							7.5	10.5
SSE	• 3	•	2.0	5.5	2.8	• 6	• 1					12.4	14.3
S	• 5	1.2	3.0	6.0	3.8	. 4						1 > • 2	13.0
SSW	• 1	• 6	1.7	1.6	• 9							2.3	11.7
sw		1.2	• 5	1.1	• 3							3 • 1	13.3
wsw	• 3	• 3	• 4	• 7	• 4							2.6	9.3
w	• 3	• 7	1.3	.7	.7							3.0	10.3
WNW		• 4	1.1	2.0	• 4	• 1						4.4	11.5
NW	• 1	. 4	• 5	2.0	1.1	• 1		]				4 . 3	13.6
NNW	• 1	• 9	1.1	2.7	1.2							9.6	12.2
VARBL													
CALM	><	><	$\times$	$\times$	$\times$	> <	$\times$	> <	$\geq$	$\geq$		i.t	
	2.6	14.0	23.7	38.6	17.2	2.3	.1					170.3	11.9

TOTAL NUMBER OF OBSERVATIONS 744

L AL CLIMITOLOGY ROANCH

SATHSH SERVICEZZAS

1 1. GLOTOF APT FARGO NU

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

YAY

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74-81

STATION			STATIO	M HAME			, , , , ,			YEARS				BORTH
						ALL WE								-1400
						c	LASS						MOAN	B (L.S.T.)
		_				CON	DITION				<del></del>			
		_									_			
	SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55		*	MEAN WIND
	DIR.	<b>.</b>			 		ļ.,.,.	<b></b>	ļ	<u> </u>				SPEED
	N	• 1	1.3	2.7	4.7	3.5	1.1	ļ	<b> </b>	ļ			13.5	13.9
	NNE	<u> </u>	• 7	1.2	3.9	. 8			1	<u> </u>			i €	12.2
	NE	<u>ll</u>	• 4	1.1	1.5	• 1	• 1	<u> </u>		<u></u>	1		3.6	10.6
	ENE		• 4	1.6	• 5								2.5	3 • €
	E	• 1	1.2	2.2	1.2	• 1	• 1						5.0	<b>→</b> . 2
	ESE	• 3	1.1	2.2	1.1	• 3							4 . 1	∑•ق
	SE	• 1	• 5	1.6	3.2	1.2							0.7	12.3
	SSE	1	1.5	1.3	3.9	1.7	• 7						9.3	13.2
	S		1.5	2.8	5.7	4.7	2.0	• 5					17.2	15.2
	SSW	• 1	• 4	1.2	1.3	.7	• 1						3.4	12.1
	SW		• 7	1.1	1.7	• 4							3.€	11.1
	WSW	• 1	.4	.7	• 5	.7	• 1						2.6	12.0
	w	• 1	• 3	- 5	1.6	.5	• 3						3.4	13.0
	WNW		• 7	.7	1.3	• 3	• 1						3.1	11.5
	NW		. 4	. 7	2.2	1.1	• 3						4.6	14.5
	NNW	• 1	• 7	2.3	2.6	1.7	• 7			<u> </u>	-		3.1	13.4
	VARBL												1	
	CALM		$\ge$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	> <	1.2	
		1	1		I	1	1		!					I

TAC CONTRACTUDENT FRANCH CATEGORY SERVICENTAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1	GECTUA APT FARGO .U	74-81	Y A 4
STATION	STATION HAME	PEARS	MONTH
		ALL WEATHER	1500-17°C
		CLASS	HOURS (L.S.T.)
		CONDITION	<del></del>

SPEED (KNYS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	• 7	3.1	5.2	3 • 2	1.1						14.7	13.3
NNE		• 1	• 3	3.5	.7							5.7	12.6
NE	• i	• 7	1.5	1.5								3.5	7.5
ENE	• 1	•	2.2	.7	• 1							3.9	3 € €
ŧ	• 1	• 5	2.3	3.								3 . 3	5.5
ESE		1.2	1.5	2.4	• 3					i		5.5	10.1
SE	• 1	1.1	2.6	2.6	1.1	• 1						7.5	11.3
SSE		• 7	1.1	3.6	2.3	• 4						3 • 1	14.4
\$	• (1	1.3	2.3	5.4	4.5	2.0	• 1					16.2	14.9
SSW		• 7	1.1	2.0	• 9							4.7	12.2
SW		• 7	- 8	• 9	.9							3.4	12.2
wsw	• !	• 1		1.3	.4	• 3						2.3	14.1
w	•1	. 4	1.6	1.5	• 8			-				4.4	11.6
WNW		• )	• 5	1.7		• 1						2.7	12.2
NW	• 1	• 1	1.2	2.6	.7	• 1						5.7	11.3
NNW		• 7	1.1	2.3	1.7	•3						6.1	13.9
VARBL													
CALM	$\supset <$	$\supset <$	$\supset <$	> <	$\supset <$	> <	$\supset <$		$\supset <$	$\supset <$		1.7	
	1.5	11.6	23.6	30.0	18.5	4.4	• 1					173.0	12.4

TOTAL NUMBER OF OBSERVATIONS

743

USAFETAC FORM  $_{\rm JUL~64}$  0-8-5 (OL-A). Previous editions of this form are obsolete

AL CLIMATOLOGY BRANCH TAC FATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HESTOR ART FARSO NO	74-81		₩ Α Υ
STATION	STATION NAME		YEARS	MONTH
		ALL REATHER		1800-100
	<del>- "</del>	CLASE		HOVES (L.E.T.)
	<del></del>	COMPLTION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.7	3.8	5.9	2.6	• 5						14.6	12.6
NNE	• "	1.2	3.1	2.3	• 1							7.2	9.3
NE	• ?	2.2	2.3	1.3							Γ	col	8.
ENE	• 1	1.7	1.1	• 3								2.7	7 • ∷
E	٠٠	2.3	2.0	• 4								5.3	6.7
ESE	• 1	2.4	2.0	1.6	• 1							5 . 3	۵.4
SE	• -	1.6	3.4	3,5	• 7							7.+	10.4
SSE		1 • 1	3.4	5.1	• R	• "						10.9	12.1
5	• 1	2.7	2.7	5.3	1.3	• 3						13	12.1
SSW	• 1	. 4	• ?	1.3	• 3							3.1	11.0
SW	• 1	•	1.2	• 5	. 4							2.1	9.9
wsw	• 1	• 3	• 7	• 3								1.3	<b>3</b> • ↑
w		• <sup>C</sup>	٩.	.9	• 5	• 1						7.0	11.9
WNW	• 1	• 7	1.5	• 5								4.8	8
NW	• 1	• *	1.2	1.2	• 3							-4	10.4
NNW	. 7	• 5	1.8	2.2	1.1	• 1						5.9	11.9
VARBL												I	
CALM	$\searrow$	$\times$	$\times$	><	> <	> <	><		$\geq \leq$		><	2.5	
	2.5	19.3	31.9	32.8	8.8	1.6						120.0	10.2

TOTAL NUMBER OF OBSERVATIONS

HAR DETRATOLOGY SHANCH STATE SETVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COTOR APT FARGO NU	74-81	¥ 7 ×
STATION NAME		YEARS MONTH
	ALL WEATHER	2100-2300
	CLASS	HOURS (1.S.T.)
		STATION HAME ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	2.5	5.0	3.9	1.6	• 5					<u> </u>	14.1	13.9
NNE		2.4	1.6	• 1								4.2	6.2
NE	• 1	1.2	1.0	• 5								3.5	7.6
ENE	• 7	2.3	1.5	• 3								4.5	6.4
E	• *	2.7	2.2	• 7								5.9	7.5
ESE	• 9	3.5	2.7	1.1	• 3							5.5	7.3
SE	•	3.2	3 € 8	2.4	• 5	•1						10.7	9.0
SSE	• 3	1.5	2.5	5.0	• 9	• 4						10.6	11.6
\$	• 3	3.0	4.1	4.6	• 3	• 1						12.3	9.8
SSW	• *	1.1	• 5	• 5								2.4	7.3
SW	•1	• 5	• 5									1.5	6.5
WSW	• 3	1.4	• 9	•1								2.7	€.4
w	• 1	1.4	• 3	1.1	• 3							3.7	9.0
WNW	• 5	• 1	1.2	•1								2.4	7.1
NW	•1	1.4	• 3	.7	• 3		• 1					2.8	9.9
NNW	• 1	1.2	- 8	1.4	. 4	• 3						4.2	10.9
VARBL													
CALM		> <	$\times$	$\times$	> <	> <	$\times$	$\times$	$\supset \subset$	> <	><	5.7	
	4.7	30.9	20.9	22.6	4.6	1.5	• 1					100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 730

E TAL DLIMATOLOGY BRANCH - ITAC EATHER SERVICEZ FAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 -	HECTOP AST FARGO NO	74-61	w <sub>A</sub> v
STATION	STATION NAME	YEAR	6 BONYN
		ALL WEATHER	ALL
	<del></del>	CLARE	HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	, -	2.3	3.2	4.8	2.6	.7	• 5			T		17.9	12.3
NNE	• !	1.1	1.7	1.9	• 3	•£						2 • 2	10.1
NE	• ?	1.	1.5	• 9	1.	• ີ						3.7	8.5
ENE	• 3	1.2	1.4	.4	• 0							3.3	7.0
E	•	1.6	2.0	• 0	• 1	• 0						4.5	3.€
ESE	• 4	1.	1.7	1.2	• 2							5.3	8•?
SE	• ?	1.3	3 • 1	2.6	•6	• 1						3.4	9.9
SSE	• ,	1.4	2.4	5.5	1.7		•0					11.7	12.7
\$	• 3	2.5	3.9	5 • 2	2 • 1	• 7	• 1					14.5	11.8
SSW	• 2	• 3	1.3	1.1	. 4	• □						3.6	10.1
sw	• 1	• 9	• 6	.7	• 3							2.6	9.5
WSW	- 2	• t	• 6	• 5	• 2	• 1						2.2	9.3
W	• 2	1.0	1.1	1.0	• 4	• 1						3•ა	9.7
WNW	• 2	• 7	1.0	1.1	• 1	• 1		L				5.2	10.5
NW	• 1	• 8	1.0	1.3	• 5	• 1	• 0				L	3.3	11.1
NNW	• 2	• ?	1.5	2.1	1.1	• 2						6.0	11.9
VARBL													
CALM		$\supset <$	$\geq <$	$\geq <$	$\geq <$	><	$\geq <$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	4.0	
	5.4	20.5	27.9	31.2	10.5	2.4	•1					193.0	10.3

			5.5	11.9
			4.0	
			193.0	10.3
TOTAL	NUMBER OF ORS	ERVATIONS		5942

\* AL CLIMATOLOGY BRANCH -\* LTAC -EATMOR SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 10	SECTOR APT FARGO NU	73-8ū	Juli
STATION	STATION NAME		EARS MONTH
		ALL REATHER	3027-0200 3027-0200
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	2.4	2.9	1.8			-					7.6	8.2
NNE	.4	1.9	2.1	.6	• 4							5.4	8.0
NE	• 1	• 7	• 6	1.2								4.0	9.6
ENE		1.5	• 4	.1								2.1	6.2
E	• 1	• 4	1.2	•6								2.4	8.2
ESE	• I	1.4	1.2	1.4								4.2	8.5
SE	• 4	1.9	1.1	3.2	. 7	• 3	l					7.6	10.7
SSE		1.4	3.2	7.8	2,1							14.4	12.4
S	• 7	5.7	5.4	4.2	1.1	• 3						16.7	9.5
SSW	• 1	2 • F	2.2	•7								5.8	7.1
SW	• 1	1.5	1.5	•6	• 1			<u></u>				3.9	7.8
WSW		1.2	1.7	• 1							L	3.1	7.1
w	• 4	1.4	2.1	.7								4.6	7.5
WNW	• 4	2.1	1.€	1.4	• 1					L		5.8	7.9
NW	• 1	• f.	1.1	.7			<u> </u>	<u> </u>				2.5	8.4
NNW		1.1	1.4	1.0	• 3					<u> </u>		3.7	9.4
VARBL							L						
CALM	$\searrow$	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	7.5	
	3.3	27.8	30.0	26.0	4.9	•6			ļ —			100.0	5.5

	TOTAL NUMBER OF OBSERVATIONS	720

TERRAL CLIMATOLOGY BRANCH ATH MEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HECTOP APT FARGO NO STATION HAME 73-80 0300+0500 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 3	2.9	1.5	1.8	•6							7.1	9.2
NNE	• 4	1.4	1.7	1.1	• 1							4.7	8.5
NE	• 4	1.9	• 9	. 4	•1							2 • 6	7.2
ENE		. 7	• 3	• 1	.1							1.2	8.3
E	•1	• 3	• 8	1.5	• 3							3.6	10.7
ESE	. 6.	1.3	• 8	. 4								3.6	6.4
SE	• 4	1.0%	2.4	2.2	• 6							7.4	9.7
SSE		1.0	3.1	7.4	1.8							13.2	12.4
S	.7	4.2	6.0	4 • D	• 1							15.0	6.7
SSW	• 3	3.9	1.8	1.1	• 3							7.4	7.3
SW	.4	1.1	8.	. 4								2.8	7.5
WSW	• 4	1.1	1.4	.8	•1							3.9	5.1
w	•6	1.4	2.5	1.0								5.4	7.5
WNW		1.4	1.8	1.1								4 • 3	6.5
NW	•4	1.1	1.1	1.2								3.9	8.6
NNW	•1	1.8	2.1	1.5								5.6	8.5
VARBL									j		J		
CALM	>>	$\supset <$	$\supset <$	><	$\supset <$	>>	>><	$\boxtimes$	> <	> <	><	0.2	
	5.1	27.4	28.9	26.2	4.2							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 72 U

AL CLIMATOLOUY BRANCH FETAC JEATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	NECTOR APT FARGO NO	73-85	Jun
STATION	STATION NAME	YEARS	MONTH
STATION		ALL WEATHER	.600-0800
		CLA98	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	1.5	3.7	3.6	1.0	• 3	• 1					11.5	10.9
NNE		1.5	2.6	2.2	• 1							ί•5	9.6
NE	• 4	• 5	-8	• 6								2.4	7.8
ENE	• 1	1.17	1.0	.4	• 1							2.6	8.0
£	• 1	1.2	1.1	. 4		• 1						3.1	ੋ•1
ESE	• 1	• 7	8.	1.0	• 3							2.7	10.2
SE	• 3	1.2	2.6	2.5	• 6				<u> </u>			7.2	10.2
SSE	• 1	1.7	2.2	5.7	1.1	• 3					<u> </u>	13.4	12.5
5	• 4	2.2	ნ•5	7.2	• 3						<u> </u>	10.1	10.3
SSW	• 4	2.2	2.5	1.5		L				<u></u>	L	6.7	8.3
\$W	• ?	• 7	1.8	•€	• 1			<u> </u>	<u> </u>			3.5	8.6
WSW	• 1	1.1	1.0	1.4								4.6	8.9
w	• 3	1.5	2.2	1.5	• 3							5.8	9.0
WNW		1.1	2.8	1.4	•6							5.8	9.9
NW	• ?	• 1	1.4	•6	•1		L	L		L		2.5	9.4
NNW		1.3	1.4	2.1	• 4		<u> </u>					4.7	10.6
VARBL							Ļ						
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.5	
	3.5	19.0	35.0	32.6	5.0	.7	•1	}				163.3	9.6

TOTAL NUMBER OF OBSERVATIONS 720

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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THE AL CLIMATOLOGY ERANCH FETAC AT SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1 +	HECTOR APT FARGO ND	73-64	ى ن ن ن د د د د د د د د د د د د د د د د
57A710H	STATION NAME	YEARS	MONTH
1 · 1 +		ALL WEATHER	3908-1100
	<del></del>	CLASS	MOVES (L.S.T.)
	<del>, -,,,,,,,,,</del>		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	1.7	2.9	4.7	1.1	•8	•1					11.5	12.3
NNE	•1	• 4	1.2	2.5	.7							5.4	11.5
NE	1	1.7	1.1	1.4	• 1							4 . 3	6.9
ENE	• 1	7	1.2	•1								2.2	7.4
E		•6	1.2	. 4	.4	•1					·	2.8	10.6
ESE		• 5	•7	1.2	•1	• 1						2.5	11.4
SE	#	1.7	1.0	2.1	•€	• 1			<u> </u>		1	4.7	11.4
SSE		4	2.1	4.4	1.8	•6			<u> </u>			9.3	13.8
5	• 3	1.4	4.3	10.4	2.8	• 1	• 1				l	19.4	12.5
\$5W	1	• f·	1.2	1.9	•6	•1						4.4	12.1
sw		• 1	1.1	2.5	.4			<u> </u>	<u> </u>	<u> </u>	i	4.2	11.7
WSW	1	• 3	1.9	1.2	.4	•1						4.0	11.5
w	• 5	1.2	2.2	1.4	1.2	.4			<u> </u>			5.8	11.2
WNW		• ₹	1.1	3.3	1.1							5.8	13.6
NW	1	• 5	1.1	2.1	.8	•1		1				4.7	12.9
NNW	• 1	• 7	1.7	3.5	• 3	• 3						6.5	11.9
VARBL	1												
CALM		$\supset <$		><	$\geq <$	> <	><		><	$\supset <$	><	1.0	
	1.1	12.5	26.2	43.3	12.5	3.1	• 3					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 72%

. AL FEIMATOLOCY RRANCH FETAC FATHOR SEPVICEZMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 ~14	RECTOR APT FARGO NO	73-80		JUN
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1289-1499
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	1.4	1.0	4.7	1.7	1.0						11.00	13.2
NNE	• 1	• 4	1.5	1.9	. 4							4.4	11.2
NE		• 5	3.	1.1	.1							2.5	10.1
ENE		• 6	1.0	3.	1.							2.2	10.0
E		1.1	1.0	• 8								2.9	9.0
ESE	•1	. 7	1.1	1.2	• 3							3.5	10.2
SE		1.1	1.5	1.8	.7	•1						5.5	11.5
322		• 3	1.5	4.2	3.9	• 3						9.6	15.6
5	•1	1.1	2.0	7.2	3.7	• 3						15.4	13.6
SSW		• 1	1.2	1.7	• 6	•1						3.7	13.1
SW		• 3	1.5	1.5	. 4	• 3						4.6	11.
WSW		• 3	1.8	- 8	• 3							3.2	10.0
*		1.1	3.1	2.4	1.9	1.0	• 1					4.6	13.5
WNW		• 6	1.0	2.8	1.2	• 3						5 • 8	13.2
NW		.7	1.2	4.0	1.4	• 7						ۥ1	13.7
NNW	•1	• 7	1.4	3.9	1.1	• 3						7.5	13.0
VARBL													
CALM	$\supset <$	> <	> <	$\supset <$	$\supset \subset$	$\supset \subset$	> <	$\supset <$	$\supset <$	$\supset \subset$	> <	•4	
	• 7	11.5	24.3	40.7	17.9	4.3	• 1					130.3	12.8

TOTAL NUMBER OF OBSERVATIONS 720

UL TAL CLIMATOLOGY BRANCH TETAO 47 LEATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 14	HECTOR APT FARGO ND	73-80	Je∿
STATION	STATION NAME	YEARA	мун
*******		ALL WEATHER	1500-1700
	<del>- 11</del>	CLASS	HOURS (L.S.T.)
			<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	• 7	1.7	5.8	1.4	• 6						10.4	13.0
NNE	• 1	• 1	1.5	2.5	. 7							5.3	12.3
NE		• 6	1.7	1.9	• 1							4.3	10.3
ENE		• 3	• 7	.4			• 1					2.1	9.8
E		£.	• 8	.8	• 1							2.6	9.7
ESE		1.1	1.0	• 3				,				2.4	5.1
SE	• 1	, 1	2.1	2.2		• 1						4.7	11.0
SSE		1.0	1.1	4.4	3.2	• 3						10.0	14.0
S	•1	• 5	2.5	6.0	4.0	1.0						14.2	14.6
SSW		•6	• 8	1.7	•6	.4			1			4.0	13.4
SW		1.7	1.8	1.4	. 4							4.6	9.9
W\$W		.4	1.7	1.2	. 4							3.7	11.2
w	• 4	8	2.2	3.6	.7	• 3			i			8.1	11.7
WNW		-8	1.4	2.2	2.8	•6		1		·		7.8	14.5
NW	.1	. 7	1.1	4.3	1.7	·				_ ~		7.9	13.2
NNW		• 1	2.1	3.9	1.0	.3			1			7.4	13.2
VARBL													
CALM	$\searrow$	$\geq \leq$	$\times$	> <	> <	$\times$	$>\!\!<$	$\geq$	$\times$	$\geq$	$\sim$	• 8	
	1.2	10.3	24.2	42.8	17.1	3.5	• 1					100.2	12.5

TOTAL NUMBER OF OBSERVATIONS

720

L PAL CLIMATOLOGY BRANCH PARETAC " LEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73~80		JUN
STATION	STATION MAME		YEARS	MONTH
		ALL WEATHER		1800-2000
	<del></del>	CLASS.		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	• 3	2.4	3.9	1.4	• 8	• 1					7.0	13.1
NNE	• 3	1.5	2.9	2.1	• 6	• 1						7.5	9.7
NE		1.5	2.4	1.2							1	5.4	8.
ENE	• 1	• 3	1.2	. 4								2.1	7.0
ę		1.2	1.5	• 5			<u> </u>					3.6	8.2
ESE	1	1.1	1.8	• 8				ļ ———	Ţ <u></u>	1	<del> </del>	3.7	8.3
SE	• 1	1.0	1.7	5.C	. 4				1			6.2	11.5
SSE		• A	2.4	5.4	• 8	• 3			<b>†</b>	<u> </u>		7.7	12.3
\$		1.7	4.2	5.4	.7	• 3						12.2	11.1
SSW	• 3	• 7	1.5	1.0	•1				<b> </b>	<del>                                     </del>		3.6	9.2
SW	• 3	1.0	.7	1.0	• 3			1		<u> </u>		4.6	8.5
WSW	• 1	1.2	1.2	• 6	•1							3.3	8.0
w	• 1	• 8	2.4	3.	•3	• 3			1	1		4.7	9.9
WNW		. 8	2.4	2.9	1.8	• 3	• 1					8.3	12.7
NW		1.1	2.1	2.4	• 8	•1						6.5	11.4
NNW		• 3	2.6	2.5	•1							6.1	10.5
VARBL													
CALM		$\times$	$\times$	$\times$	$\times$	> <	$\times$	$\times$	$\times$	$\times$		1.2	
	1.5	17.6	33.3	36.2	7.5	2.2	• 3					100.0	10.5

_	<u> </u>			8.3	12.7	
				6.5	11.4	
_				6.1	10.5	
$\leq$	$\geq$	$\geq$	$\geq \leq$	1.2		
				130.0	10.5	
	TOTAL NUA	USER OF OBS	ERVATIONS_		720	_
					_	

CLIFAL CLIMATOLOGY BRANCH CLIETAC EATHTH SERVICEZMAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HICTOR APT FARGO NO	73-80	JUN
STATION	STATION NAME	VEANG	DONTH
		ALL WEATHER	2130+2300
		CLASS	HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	3.3	2.6	2.4	• 3							⇒.7	€.7
NNE	• #	2.6	1.2	1.2	• 1	• 3						5.5	6.4
NE	• 1	1.5	1.4	. 7								4.0	7.4
ENE	• 7	1.5	. 4		• 1							7.4	6.2
E	•1	1.3	2.1	• 3								4.3	7.0
ESE	• 3	2 • 1	1.1	1.0		• 1						4.5	7.8
SE	• 3	2.6	2 • 4	6.7	.4							12.4	15.3
SSE		• 7	3.5	5.6	• 7							15.4	11.7
\$	. 4	3.0€	4.4	2.8	•6	• 1						12.2	3.6
SSW	•3	3.2	1.7									5.1	5.2
SW	•1	2.9	1.0	• 1								4.2	6.0
WSW	• 4	1.7	1.7	• 3		•1						4 - 2	7.4
_ w _	6	1.8	2.4	1.4								Lol	٠٠٦
WNW	• 3	1.2	• 8	.7								3.1	7.7
NW	-4	• č	1.1	1.1	.4							3.9	9.4
NNW		1.5	• 7	. 8	• 3	_						3 • 3	8.9
VARBL													
CALM	$\supset <$	$\times$	><	><	$\times$	$>\!\!<$	> <	$\geq \leq$	> <	><		5.1	
	4.2	33.6	28.5	25.0	2.9	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 725

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

de de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co E AL CEIMATOLOGY ERANCH ELTAC Ul FATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 +	NECTOR APT FARGO NO	77-83		ائن ل ئان ل
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
		CLASS.		HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.7	2.5	3.6	• 9	• 4	• 1					9.t	11.3
NNE	• 2	1.3	1.9	1.8	. 4	• 1						.6	9.9
NE	• 1	1.1	1.2	1.1	• 1							3.5	8.0
ENE	• 1	• 9	• 8	• 3	. 1		•0					2.1	3.7
E	• 1	1.0	1.2	• 7	• 1	•0						3.2	c • 8
ESE	• ?	1.2	1.1	• 9	. 1	• :						3.5	5.7
SE	• 3	1.4	1.9	3.2	5	• 1						7.2	10.7
SSE	•	•	2.3	5.6	1.9	• ?						15.3	13.0
5	• 3	2.5	4	5.9	1.7	• 3	• n					15.02	11.2
SSW	• ₹	1.5	1.6	1.2	• 3	• 1		<u> </u>			Ĺ	5.1	9.1
sw	• 2	1.2	1.3	1.0	• 2	• ೧				L		4.C	9.1
wsw	• 1	• 5	1.7	. 8	• 2	• 0			<u> </u>			3.7	9.1
w	• 3	1.3	2.4	1.6	• 6	• 2	•3			<u> </u>	<b></b>	6.4	10.2
WNW	• 1	1.0	1.6	2.0	1.0	• 1	• 0			<u></u>		5.9	11.5
NW	•?	• 7	1.3	2.0	. 7	• 1						5.0	11.6
NNW	• 1	1.0	1.7	2.4	. 4	• 1						5.6	11.1
VARBL										<u> </u>		J	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.5	
	2.6	20.0	20.8	34.1	9.0	1.9	•1					170.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1. 76 F

USAFETAC  $\frac{\textit{FORM}}{\textit{AUL}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

E AL CLIMATOLOGY BEARCH E LIAO E EATHER SERVICE/MAL

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 -	HECTOR ART FARGO NO	73-80		JUL
STATION	STATION NAME	<del></del>	YEARS	BONTH
		ALL REATHER		U033 <b>÷</b> 0°1
	<del></del>	CLA96		HOURS (L.S.

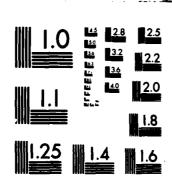
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAR WINE SPEEC
N	• 4	2.6	3.0	2.8	• 1							0.9	3.
NNE	•	• 7	1.5	• 3			• 1					3.1	÷ •
NE	• 7	• 9	• 4	. 7								2.7	7.
ENE	• 1	• 5	.7									1.6	5.
E		2.1	1.3	• 3								3.6	7.
ESE	• 3	2.4	1.7	. 4								4.8	6.
SE	• 1	2.7	3.4	2.7	• 1							7.5	T
SSE	•1	1.1	2.4	5.5	1.1							10.2	11.
\$	• 7	3.1	7.8	7.0	• 5							17.1	ÿ.
SSW	• 7	1.7	• 3									2.7	4.
5W	• 4	1.2	• 5									2.2	4.
wsw	• 5	• 4	1.3									3	E.
w	.4	1.7	2.0	. 4								4	6.
WNW		1.9	1.7	. 8	• 1		• 1	_				5	ું •
NW	1.3	2.	2.4	.7								5.5	Ċ.
NNW	. 7	2.2	1.5	1.5	. 4	• 1						5.3	3.
VARBL													
CALM	$\supset <$	$>\!\!<$		$\supset <$	> <	$\supset <$	$\times$	$\supset <$	$\supset <$	$\supset <$	> <	٠. ٠	
	7.8	27.6	32.0	23.D	2.4	•1	• 3					150.3	7.

TOTAL NUMBER OF OBSERVATIONS

AD-A113 156  AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTERETC F/G 4/2 HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SURETC (L) JAN 82													
UNCLASSIFIED	JAN 82 USAFETAC/DS-82/001	S81-AD-E850 137											
2													

# 13156

- 1



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

LUSAL CETMATCHORY BRANCH LIAFOTAC A - FRATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73-80	յու
STATION	STATION MADE	TEADS	HORTE
		ALL WEATHER	<b>300-050</b> 0
		CLANS	HOURS (L.S.T.)
			<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	31 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	3 • ≎	3.5	2.3	• 3							10.1	8.2
NNE	• 4	1.1	. 8	• 5		-						2.3	7.2
NE	•3	• 33	• 7									1.7	5.9
ENE	-1	1.1	• 4									1.6	5.0
E	•1	• 7	. 4							i		1.2	6.3
ESE	•1	2.2	2.7	• 3		l					· · · · · · · · · · · · · · · · · · ·	4.5	6.8
SE	•5	3.5	2.8	2.7	• 1				1			9.7	8.2
SSE	•1	2.5	4.6	5.8	1.7							14.6	10.9
\$	•4	4.9	5.5	5.0	• 3							10.C	8.7
SSW	.4	2.2	.7	<u> </u>					<u> </u>			3.2	5.2
SW	•5	2.3	• 5						† <del></del>	1		3.4	5.0
wsw	• *	• 7	• 5	• 3		<u> </u>				1		1.7	6.8
w	.4	2.2	1.7	•1	• 1				Ť	1		4.6	6.5
WNW		2.2	3.1	•1	• 3							5.6	7.7
NW	• 4	2.6	1.3	•3	• 4	<b></b>						5.0	7.3
NNW	• 4	2.5	2.2	1.6	•1					1		6.9	8.4
VARBL	· · · · · · ·					<u> </u>							
CALM		>	> <	$\searrow$	>	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset \subset$	> <	7.1	
	4.8	34.9	30.8	19.0	3.4				· ·			103.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7 4 4

DE PAL CLIMATOLOGY BRANCH PARTAC AL EATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOP APT FARGO ND	73-9û	JUL
STATION	STATION NAME	YEARS	80478
		ALL WEATHER	9 <b>600-</b> 0800
	<del></del>	CLASS	HOURS (L.S.T.)
		COMPLYION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · s7	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 7	3.0	3.9	3.1		• 1						10.8	8.5
NNE	• 3	1.6	1.6	1.2								4.7	8.3
NE	.4	• 8	• 9	. 4								2.6	7.5
ENE		• ₹	.7	• 3								1.7	7.5
E	• 1	1.3	.7	• 3								2.4	6.6
ESE	•1	1.1	1.5	• 3								3 • €	7.1
SE	• 1	2.0	2.6	2.0	• 3							7.5	9.1
SSE		2.1	3.1	7.8	1.2							14.1	11.7
\$	• 4	3.5	7.0	6 • D	.7					I		17.7	9.6
SSW	• 3	1.7	1.3	.7								4.0	7.5
SW		1.3	1.3	• 1	• 1							3.0	7.5
WSW	• 1	• 3	. 4	. 4								1.7	7.2
w	.4	1.6	. 9	•7	•1							3.8	7.3
WNW	• 3	1.6	1.9	1.2	• 1							5.1	8.1
NW	• 1	1.6	2.6	1.9	• 5							6.7	9.6
NNW	•1	1.2	3.0	3.C	.1							7.4	9.8
VARBL													
CALM	$\supset <$	> <	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	><	><	4 • 3	
	3.5	26.2	33.3	29.3	3.2	•1			3			190.0	5.7

TOTAL NUMBER OF OBSERVATIONS

DESAL CLIMATOLOGY BRANCH PELTAC AT DEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.4	HECTOR APT FARGO NO	73-80	JUL
STATION	STATION HAME	YEARS	NONTH
		ALL WEATHER	3 <b>900-110</b> 0
	<del> </del>	CLASS	HOURS (L.S.T.)
			-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	• 1	. 4	5.0	4.8	•5							10.9	11.0
NNE		• 3	3.4	1.3								5.5	9.1
NE	• 1	• b	1.6	. 4	• 1							3.1	8.1
ENE	• 1	1.1	• 9	• 5			_					2.7	7.6
E	7	1.1	• 7	.7	• 1							2.6	8.5
ESE	• 1	• 3	1.5	1.2								3.1	9.0
SE		• 0	2.2	1.2	. 4							4.7	10.1
SSE		1.1	2.4	5.2	1.7	. 4	• 1					11.0	12.5
\$	• 1	1.7	6.3	8.1	2.2	•1						18.5	11.
SSW	• 1	• 7	2.0	1.5	• 5							4.8	13.1
SW	•1	• 5	1.5	• 9	• 3				1			3.4	9.
wsw		• 4	1.5	1.1	• 3							3.2	10.
w	• 1	1.5	2.3	1.3	•1	•1		Ī	1			5.5	9.0
WNW	• 1	• 7	2.4	1.2	.7					1		5.1	1G.
NW_	.1	1.2	1.2	2.6	1.2							0.3	11.
NNW	•1	• 7	2.8	3.4	2.2							9.1	12.
VARBL													
CALM	$\searrow$	$\supset <$	$\supset <$	$\supset <$	><	$>\!\!<$	$\times$	$\boxtimes$	$\triangleright <$	$\supset <$	><	• •	
	1.5	13.8	37.6	35.5	10.3	•7	• 1					130.3	16.

$\leq$	$\times$	$\times$	$\mathbb{M}$	. 4	
				130.3	16.8
	TOTAL NUA	ISER OF OSS	ERVATIONS		744

TEL AL CLIMATOLOGY ERANCH TETAC A - EATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1 -	HICTOR APT FARGO ND	73-80		JUL
STATION	STATION MAME		YEARS	итром
		ALL WEATHER		1200-1400
		CLASS		HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	• 3	1.5	3.0	5.5	•9	•1						11.4	11.2
NNE-		• 8	2.3	1.2	• 4							4.7	9.7
NE		• 7	1.7	• 1								2.6	7.5
ENE		7	1.2	• 1								2.5	7.5
E	• 1	1.6	1.5	. 4	• 1							3.8	7.7
ese		• 4	1.6	1.2	• 1							3.4	9.3
SE		• 7	2.2	2.6	• 9		_					t.3	11.6
358		1.1	2.6	3.9	1.5	. 4	• 1					7.5	12.6
\$		. 7	3.6	6.0	3.1	• 5						14.3	13.6
SSW	• 1	• 1	1.5	3.5	. 7	• 1						6.0	12.e
sw		• 7	1.3	1.2	.7							3.9	11.3
wsw		- 4	1.6	. 4								2.4	8.7
w	• 1	1.5	1.6	1.9	1.2			. 1				ۥ5	11.9
WNW		• 7	2.4	2.8	. 9							6.7	11.8
NW		• 5	1.6	3.9	1.7	• 1						7.9	13.4
MMM		• 7	1.9	4.2	1.7							8.5	12.5
VARBL													
CALM	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	• 3	
	, 7	12.3	31.6	39.0	14.1	1.3	1	•1				120.0	11.7

TOTAL NUMBER OF OBSERVATIONS 744

TAL CLIMATOLOGY BRANCH FETAC AT REATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73-80	JUL
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		CLASS	MOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	1.6	4.2	7.5	. 9	• 3						14.7	11.7
NNE	• 1	2.1	2.3	1.1	• 1							5.6	8.4
NE	• 1	1.3	1.5	• 9								3.9	8 • C
ENE	• 3	1.3	1.9	• 1								3.6	6.9
5		•7	.7	• 5								1.9	8.2
ESE		• 3	1.3	• 9	• 3							2.8	11.0
SE	• 3	• 7	2.4	3.2	.4			I				7.0	10.5
SSE	• 1	• 5	1.6	4 . D	• 8	1.1						8.2	13.3
5	• 1	1.1	2.8	6.0	2.8	1.1						14.0	13.6
SSW		. 4	• 9	1.7	• 7	•1						3.9	12.8
SW		1.1	1.7	1.2								4.3	8.8
wsw	-4	• 3	1.3	1.3	•1	•1						3.6	10.4
w		• 5	1.9	2.8	1.1	• 3						6.9	12.4
WNW		• 3	1.3	2.2	• 5							4.8	11.3
NW		• 5	2.0	4.0	1.2	• 5						8 • 3	13.3
MMW		• 5	1.5	3.1	•7	• 3						6.0	12.6
YARBL													
CALM		>>	$\supset <$	><	><	$\times$	>>	$\supset <$	$\supset <$	$\geq$		• 7	
	1.6	14.0	29.4	40.9	9.7	3.8						100.3	11.4

	TOTAL NUA	ABER OF OR	LERVATIONS		744
	<u> </u>		L	100.0	11.4
$\leq$	$\geq$	$\times$	>	.7	
				6.0	12.6

رن درا

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HECTOR APT FARGO ND	73-80	<b>J</b> じし
STATION NAME	TEASE	MONTH
	ALL WEATHER	1830-2000
	CLASS	HOVES (L.S.T.)
		STATION NAME  ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	3.0	5.6	3.6	• 7							13.0	9.5
NNE	• 4	2.0	2.7	1.2	. 3							€.6	8.3
NE	•1	2.4	2.3	. 4								5.2	6.8
ENE		2.7	1.1	•1								3.9	6.5
	•1	• 9	2.8	• 3								4.2	7.6
ESE	• 1	.4	1.9	1.7	-1							4.3	9.9
SE		• 8	3.5	3.4	•1							7.8	10.6
5\$E		1.3	2.6	5.4	1.7	• 1						11.2	12.3
8		2.0	4 . B	4.0	.7							11.6	10.3
SSW	•1	1.1	1.5	.9	•1	• 1						3.9	8.7
SW	•1	1.2	• 9	. 8	• 1							3.2	5.1
W\$W	.3	8.	• 4	• 1						I		1.6	6.2
w		1.1	2.4	1.1	.7	•1						5.4	10.0
WNW	• 1	• 9	• 9	.7	• 5							3.2	9.3
NW	•1	1.5	2.7	2.2	•1	• 1						6.7	10.9
NNW	•1	• 3	3.1	2.7	•1							6.3	10.3
VARBL													
CALM		$\supset <$	$\times$	$\times$	$\boxtimes$	> <	> <	$\boxtimes$	$\boxtimes$	$\times$		1.9	
	1.9	22.4	39.2	28.6	5.4	• 5						100.0	9.4

TOTAL NUMBER OF DESERVATIONS

E HAL CLIMATOLOGY BRANCH HITAC PI EATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

114	HECTOR APT FARGO ND	73-80	JUL		
STATION	STATION MAME	YEARS	MANAN		
		ALL WEATHER	2130-2300		
		CLANG	HOURS (L.S.T.)		
		CONSTRUCT			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 9	3.4	3.0	1.7								9.0	7.8
NNE	• 4	2.6	1.2	1.1								5.2	7.3
NE	• 1	• 8	8.	• 1								1.9	6.6
ENE	+ 3	1.9	1.1	•3								3.5	6.9
E	•1	2.3	1.5	. 4		• 1						5.0	7.1
ESE	• 3	3.0	2.0	.9				[	I			6.2	7.5
SE	• 3	2.3	3.9	3.2	• 5							13.2	9.5
SSE		• 3	3.1	4.7	1.6							10.3	11.9
\$	• 7	3.0	6.6	5.5	.7				Ĭ			16.4	9.7
ssw		1.2	• 7	.4		• 1						2.4	8.2
sw	•4	1.3	• 5	• 5								2.8	7.0
WSW	•1	• 0	• 5	•1								1.7	6.5
w	• 7	3.4	1.6	1.2	• 3							7.1	7.5
WNW	• 4	1.7	1.7		• 1							4.2	6.7
NW	• 1	2.2	1.2	•3								3.6	6.5
NNW	•	2.2	1.1	1.2	• 1							4.8	8.3
VARBL													
CALM	$\supset \subset$	$\times$	> <	$\supset \subset$	>>	><	$\supset \subset$	$\supset <$	$\supset \subset$	> <	> <	5.4	
	5.1	33.6	30.5	21.8	3.4	• 3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

TILL FAL CLIMATOLOGY BRANCH PEETAC A. PEATHER SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 14	HECTOR APT FARSO ND	73-80		JUL
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
	<del></del>	CLA95	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	- 4	2.4	3.9	3.9	. 4	• 1						11.1	9.9
NNE	• 3	1.4	2.0	1.0	•1		•0					3.0	8.4
NE	•2	1.1	1.2	.4	• 3				Ì			3.0	7.
ENE	• 1	1.3	1.0	•2								2.6	6.
E	• 1	1.4	1.2	. 4	•0	• 0						3.1	7.4
ESE	• 1	1.2	1.7	.9	• 1							4.0	8.
SE	•2	1.7	2.9	2.6	.4							7.7	9.
SSE	•1	1.3	2.9	5.3	1.4	• 3	•0					11.2	12.
\$	• 3	2.5	5.6	6.0	1.4	• 2						15.9	10.
\$5W	•2	1.1	1.1	1.1	• 3	• 1				I		3.9	9.
SW	• 2	1.2	1.1	.6	• 2							3.2	6.
WSW	• 2	• 6	1.7	. 5	• 1	•0						2.3	8.
w	• 3	1.7	1.8	1.2	• 5	• 1		•0			I -	5.5	9.
WNW	. 2	1.3	1.9	1.1	.4		•0					5.1	9.
NW	• 3	1.5	1.9	2.0	.7	• 1						0.4	10.
NNW	•2	1.3	2.1	2.6	• 7	• 1						6.7	10.0
VARSL													
CALM	$\supset \subset$	$\supset <$		><	$\times$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	3 • 4	
	3.4	23.2	33.1	29.6	6.5	• 9	•1	•0				100.0	9.

TOTAL NUMBER OF OBSERVATIONS 5 9 5 2

TE RAL CLIMATOLOGY BRANCH TESTAC AT REATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	· Li	2.4	2.3	1.5	- 4							7.4	8.1
NNE	• 3	2.4	.7	• 3	• 1							3.6	6.7
NE	• 1	1.5	.4	• 3								2.3	6.3
ENE	• 1	2.2	.7	• 1								5.1	5 • P
E	• 5	2.€	1.6	. 4	•1							4.7	6.0
ESE	• 1	1.3	1.7	. 9								4.2	7.9
SE	• 1	1.2	4.7	3.4	•1		.1					5.7	9.9
SSE	• 4	. 9	3.6	6.0	2.0	• 1						13.2	12.3
5	• 4	4.0	7.1	5.1	1.5							13.1	9.6
\$5W		1.3	. 4	• 5								2.3	7.5
SW	. 4	1.1	• 3									1.7	5.0
WSW		3.	. 4	• 3	• 3	•1						1.9	16.5
w	• 3	1.2	3.5	• 8	•1	•1		·				£ • J	8.5
WNW	.3	1.3	1.9	•9	•1							5.1	7.6
NW		1.5	1.7	• 3			•3					3.9	8.4
NNW	• 1	2.5	1.6	• 5	• 4	•1						5.4	8.4
YARBL													
CALM	$\supset \subset$	$>\!\!<$	$\supset \subset$	$\supset \subset$	>>	$\supset \subset$	> <	> <	$\supset <$	$\supset \subset$	$\mathbb{X}$	7.3	
	4.2	28.4	32.7	21.4	5.2	•5	. 4	-				100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

744

TECTAL CLIMATOLOGY SPANCH CONSTAC ATTO EATHER SERVICE/MAC

58<del>2</del>8

PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

## DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1:514	HECTOR APT FARGO ND	73-80	AUS
STATION	STATION NAME	TEAMS	BORTE
		ALL WEATHER	0300-0500
	<del></del>	CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
н	. 7	3.0	3.2	1.5	. 7							۲.2	ê • 1
NNE	• 5	1.7	1.1	• 3		_ 1			I			3.6	6.5
NE	• 5	1.1	.7									2.3	5.2
ENE	1.2	1.3	.4	• 1		}		1	1	1		3.1	5 • 3
E		2.2	.7	• 3								3.1	6.4
ESE		1.9	1.6	.7			}				I	4.2	7.7
SE	_ •1	1.1	3.5	3.1	• 1							7.9	1G.2
SSE		• 9	3.9	7.1	. 4	• 1					I	12.5	11.5
\$	3	4.3	6.7	4.7	. 4							16.4	9.2
SSW	. 4	2.0	• 7								I	3.1	5.4
SW	• 1	1.2	• 7	• 3	• 1	• 1						2.6	8.4
WSW	• 3	1.2	.8	•7								3.0	7.6
	• 3	1.7	4.0	. 4	• 3	• 1						6.9	8 . 2
WNW	• 5	1.9	1.6	• 7								4.7	7.0
NW	• 5	1.5	• 9	• 3								3.2	6.3
NHW	• 5	3.2	1.3	• 7		• 1						5.9	6.9
VARBL													
CALM	><	$\geq$	$\geq <$	$\geq \leq$	$\ge <$	$\times$	$\geq$	$\geq \leq$	$\geq$	$\geq$	><	8.5	
	6.0	30.2	31.9	20.7	2.0	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

A FAL CLIMATOLOGY PRANCH PAFITAC AT EATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - : 1 -	HECTOR APT FARGO NO	73-80	AUS
STATION	STATION MANE	YEARS	MONTH
		ALL WEATHER	3 <b>600-68</b> 06
		CLARG	HOURS (L.S.Y.)
	<del></del>	CONDITION	

SPEED (KŃTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 3	2.2	4.8	1.5	. 4							9.1	3.7
NNE	• 4	1.2	• 9	• 4	•1							3.1	7.5
NE		• 9	1.3	• 1				i				2.4	7.1
ENE		1.9	- 8	• 5								3 • 2	7.2
E	• li	1.7	1.7	• 8								4.7	7.4
ESE	• 1	1.9	1.7	. 7	• 1							4.5	7.8
SE	. 3	• 8	3.8	3.1								7.9	9.9
SSE	• 1	1.1	4.0	3.1	1.1	.1	• 1					14.7	12.0
5	- 3	3.4	6.5	3.9	4	• 1			L			14.5	9 • 2
SSW	• 3	- 8	• 8	. 4	4							2.7	8.7
SW	• !	, E,	•7	• 3						Ĺ		1.6	6.1
wsw	• 5	1.6	.7	- 8								3.6	7.1
w	. 5	1.6	2.6	1.7	• 4							6.9	9.1
WNW		1.5	1.5	1.7	• 1		L		L			4.6	9.3
NW	• 1	2•0	3.0	. 9	• 3							<b>ά•3</b>	8.1
NNW	• 5	• 8	1.3	• 8	.1							3.6	8.3
VARBL													
CALM		><	> <	><	><	$>\!\!<$	$\times$	$\geq <$	><	><	><	6.2	
	4.0	23.9	36.2	25.8	3.5	• 3	• 1					100.5	8.5

		TOTAL NUA	ABER OF OBS	ERVATIONS _		744
•1					100.5	3.5
$\leq$	$>\!\!<$	$\geq <$	$\geq \leq$	$\geq \leq$	6.2	

TIL BAL CLIMATOLOGY BRANCH TOTAC AT FATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	FECTOR APT FARGO NU	73-83	Aug
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<b>.940-11</b> 00
		CLASS	HOVRE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	1.6	3.9	3.0	۰٥	• 3						2.5	10.
NNE	• 1	• 7	1.3	1.5	• 1							3.5	9.9
NE	• ₹	• 7	1.1	• 3								2.3	7.4
ENE		1.7	1.6	. 4								3 • ₫	7.
E		1.5	1.6	.7	• 1							3.9	e . :
ESE	• 1	• 3	1.3	1.3								3.8	8.6
SE	• 7	1.9	2.2	3.6	• 1	• 1						t • 2	10.2
SSE		• 5	2.7	6.6	1.9	• 5						12.5	13.
S	• 1	1.7	3.4	8.3	. 8	• 3						14.7	11.5
SSW	• 1	• 4	2.0	1.1				<u> </u>				3. t	5.
sw	. 3	• 3	• 4	1.3	• 7							3.0	11.
wsw	• 3	• 7	1.5	. 8	• 3		L					3.5	9.
W		1.6	2.	2.2	1.3	• 3						7.4	11.4
WNW.		7	1.2	2.2	. 8	• 1	L					3.0°	12.
NW	1	0	2.6	3.0	• 3		L					6.9	10.
WNW	• 1	• A	2.7	2.3	• 3			Ī	]			6.2	16.
VARBL													
CALM		><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	i.)	
	2.0	16.9	31.5	38.4	7.7	1.6						ניפינ	10.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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E TAL CETHATOLOGY PRANCH FETAC PT LEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PECTOR APT FARGO NO	73-80	<b>A</b> US		
STATION NAME		YEARS		
	1270-1408			
	CLASS		HOURS (1.5.7.)	
		STATION NAME ALL WEATHER	STATION NAME  ALL WEATHER	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	3.1	3.8	• 7	• 4						9.3	11.3
NNE		• 3	2.2	•9	.1							4.0	9.4
NE	• 1	. 4	2.2	. 4								3.1	8 . 4
ENE		• 3	1.2	• 8	1							3.1	ċ.9
£	• 1	1.2	1.9	• 9	• 3							4.4	6 • 6
ESE		• 7	1.3	1.5								3.8	3.7
SE		• 7	2.2	3.9	- 8							7.5	11.5
SSE		• 6	2.6	4.2	1.7	•5						9.5	13.3
5		1.7	3.4	6.5	3.1	. 7		ł				14.9	13.3
SSW	• 5	• 5	• 7	1.5	• 7							3.9	11.3
sw		.7	• 7	1.1	• 5							3.0	11.0
wsw		• 5	1.7	• 9	• 3							3.8	10.3
w	• 1	•	2.0	2.8	. 7	• 8						7.0	12.7
WNW	• 3	(5) •	1.6	3.8	• 7	• 5						7.7	12.4
NW		•5	1.7	3.2	1.6			L				7.1	12.5
NNW	• 1	•8	1.9	" 4 • €	• 4			L				7.3	11.3
VARBL													
CALM	$\geq \leq$	$\times$	><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	•7	
	1.3	12.0	30.2	40.2	11.7	3.∪						100.0	11.0

TOTAL NUA	ABER OF OBS	ERVATIONS		744
			100.0	11.0
$\leq$				

TETAC

FATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	SECTOR APT FARGO NO	73-83		AUC
STATION	STATION MAINE		YEARS	BONTS
		ALL MEATHER		1500-1700
		CLASS	<del></del>	HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	1.2	3.6	3.9	. 8							3.7	10.9
NNE		• 3	2.3	2.2	• 1							4.5	10.6
NE		• ;	1.7	.7						l		3.4	ε.3
ENE	• 3	• 0	• 5	• 5								2.3	0.9
E	• 1	1.3	1.6	1.2	. 4					L		4.7	9.5
ESE	• 3	• 9	1.2	• 9								3.4	6.3
SE		• 0	2.4	3.8	•7						ļ	7.8	11.6
SSE	• 1	• 9	2.2	4.4	2.4	• 1						10.1	13.1
\$		1.1	2 • 2	5.6	2.3	• 0	• 1					13.2	13.6
ssw		• ?	• 5	• 7	• 5	• 3						2.3	13.2
_sw	l	• "	1.5	.7	.4	• 1			L			3.2	10.9
wsw	•1	• 7	1.1	1.6	. 4							3.4	10.5
w	• 1	• 1	2.4	3.1	. 7	• 7			ļ		<u> </u>	7.1	12.3
WNW		• 9	3.5	3.0	. 8	• 3			Ì		1	<b>₹•3</b>	11.4
NW	• 1	1.2	1.3	3.1	- 8	- 4						7.0	11.9
NNW		• 9	1.9	4.3	.7	• 5		<u> </u>			<u> </u>	7.9	12.5
VARBL							<u></u>			Ļ			
CALM	$\geq \leq$	$\times$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	• 9	
	1.3	12.7	0.0د	40.3	11.0	3.4	•1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

L AL CLIMATOLOGY BRANCH COTAC Compartmen Service/Mac

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14	HECTUP APT FARGO NO	73-80	AUC
STATION	STATION NAME	YEARS	DONTH
		ALL WEATHER	1830-2000
		CLASS	MOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	2 • 6	4 • C	3.1	1.1				1			11.4	9.6
NNE	• 4	2.0	4.2	1.2	•1							7.7	6.3
NE	• 4	2.2	1.7	• 6								. 1	7.?
ENE	• 1	1.1	1.1	• 5								2 • 3	7.7
E	• 3	2.	2.0	1.5	• 3							6.7	8.4
ESE	• 5	2.0	1.6	1.1								5.2	7.8
SE		1.3	3.2	4.6	• 5							9.7	11.1
SSE	• 1	1.1	2.0	5.2	2.2	• 1						10.5	12.3
\$	• 5	2.ა	3.6	4.3	• 9	• 3						11.7	10.3
SSW	• 3	. 4	• 7	• 5	• 3							2.2	9.6
SW	• 1	1.3	• 8		• 3				<u> </u>	l		2.6	7.5
WSW	• 1	• 5	1.7	• 5	• 3					L		3.2	9.4
w	• 3	• 3	- • 9	• 9	. 4	• 4						3.9	10.9
WNW		1.1	1.9	• 9				· 		L		3.9	6.7
NW		1 • 5	2.8	1.6	.7	• 1						6.6	10.1
NNW	• 5	• 5	1.9	1.6	4	• 1						5.1	13.2
VARBL										L			
CALM	$\supset <$	><	><	$>\!\!<$	$>\!\!<$	$\times$	$>\!\!<$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.9	
	4.2	22.7	34.3	28.5	7.4	1.1						100.0	7.6

LATC	NUMBER	Of	OSSERVATIONS	74	4

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

TAL CLIMATOLOGY BRANCH

## SURFACE WINDS

FATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 HICTUR ART FARGO NO						73-63							AUG		
STATION			BTATIC	DIN MAME						VEA DE				<b>10478</b>	
						ALL WE	ATHER						2100	-2300	
		_				•	LASS						1000	B (L.S.T.)	
		_													
						COI	1017108								
		_													
	<del></del>		1		T	T		i	T	<del></del>			1		
	SPEED (KN7S)	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.3	2.2	1.7	• 5							5.3	9.1
NNE	• 5	2.5	1.9	• 8	• 1							5.2	7.1
NE	• 4	2.7	1.6	• 1			• 1					5.0	6.7
ENE	1.1	2.4	1.5		• 3					]		5.2	6.3
E	•5	1.9	3.6	8•	. 1	• 1						7.1	8•3
ESE	• 7	• 7	1.5	• 8								3.6	7.6
SE	• 3	1.7	3.6	3.6	. 8	• 1						10.2	10.3
SSE	• 1	• 3	3.6	7.4	2.7	. 4						14.5	13.3
8	• 1	4.3	4.4	4.2	.7	• 1						13.8	9.5
\$5W	• 1	- 8	. A	• 3								2.0	6.7
SW		• 7	. 4	• 3		• 1		I				1.5	9.2
WSW	• 1	1.1	• 9	• 1		• 3						2.6	8.4
w	• 4	1.5	2.6		. 4							4.3	7 • 8
WNW	• 1	2.0	1.1	• 1	• 1							3.5	7.2
NW		1.5	2.0	• 5	• 1							4.3	8.3
WMM	• 3	• 9	1.5	. 9	1							3.8	8.8
YARSL													
CALM	$\geq \leq$	>>	$\geq \leq$	><	><	><	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq <$	><	5.5	
	5.6	26.5	33.2	21.8	6.0	1.2	•1					100.0	ઇ• દ

 <del></del>	<del> </del>	<del></del>	3.0	0.0
>	>		5.5	
			100.0	ઇ. દ
TOTAL NUA	ABER OF ORS	SERVATIONS		744

TAL CLIMATOLOLY RPANCH FATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73-80		Aug
STATION	STATION MAINE		VEARS	40478
		ALL WEATHER		ALL
		CLASS		MOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. ?	2.	3.4	2.5	.7	•1						9.0	9.7
NNE	• 3	1.5	1.8	• 9	• 1	3.			I			4.7	8.3
NE	• 2	1.3	1.3	• 3			•:					3.2	7.1
ENE	• 4	1.6	1.0	.4	.1							3.3	6.0
E	• 3	1.7	1.8	3.	•2	•0		<u> </u>				4.6	ã. €
ESE	•2	1.3	1.5	1.0	• 3							4.1	6.1
SE	• 1	1.2	3.2	3.6	• 4	•0	• 🗓					5.5	10.6
SSE	.1	• 8	3.1	6.1	1.8	• 3	•0					12.2	12.7
\$	• 2	2.8	4.7	5.4	1.3	• 3	• 0					14.7	10.3
SSW	• 2	• 5	9.	•6	• 2	•0						2.8	9.0
sw	•1	• ≎	.7	• 5	• 3	• 1						2.4	9.4
wsw	•2	• 4	1.1	•7	• 2	•1						3.2	9.1
w		1.2	2.5	1.5	• 5	• 3						0.2	10.3
WNW	• 2	1.3	1.8	1.7	• 3	• 1						2.4	10.5
NW	• 1	1.3	2.0	1.6	• 5	• 1	•0		Ī			5.7	9.9
NNW	• 3	1.3	1.8	1.9	• 3	• 1						5.6	9.9
VARSL													
CALM	$\supset \subset$	$\supset <$	$\times$	$\supset <$	$\supset <$	$\times$	$>\!\!<$	$\supset <$	$>\!\!<$	$\times$	><	4.1	
	3.6	21.9	32.5	29.6	6.8	1.5	•1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

TEL AL CLIMATOLOGY SHANCH THEFTAC A FATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR ART FARGO NO	73 <b>-</b> 80	<b>5E</b> F
STATION	STATION NAME	WEARS	DOUTH
		ALL REATHER	0000-0200
		CLASS	HOVES (L.S.T.)
	<del></del>	COMPATION	<del>-</del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 3	1.8	3.9	3.1	• 8	•1						10.0	10.3
NNE		1.4	• 6	• 6								2.5	7.4
NE		• 7	8.	. 7								2.2	8.7
ENE	• 1	1.4	• 7					<u> </u>				2.2	5.€
ŧ	• 4	• 4	9.0	• 6		.1						2.4	€.9
ESE	• 1	2.1	1.2	.7	•1							4.3	7.8
SE	• 1	1.2	2.2	1.5								5.1	8.9
SSE	• 1	1.5	4.2	6.2	. 8	•1						13.1	11.3
\$	• 7	3.1	8.5	5.1	•6							17.9	9.2
SSW	• 1	2.4	2.6									5.1	6.5
SW	- 1	1.9	1.1									3.2	6.0
wsw	• 1	1.7	1.8	•6	• 1							4.3	7.8
w	• 6	2.5	2.8	•6	• 3	• 1						6.5	7.8
WNW		2.1	1.7	. 8		• 1						5.0	8.5
NW	. 1	1.5	1.1	1.1	. 3							4.2	8.9
NNW	• 7	• 3	1.4	1.7	• 6						_	4.2	11.C
VARSL													
CALM		> <	$\supset <$	><	$\times$	> <	> <	$\supset <$		$\supset <$	><	7.5	
	3.3	26.0	35.7	23.2	3.6	.7						100.3	8.3

TOTAL NUMBER OF OBSERVATIONS 72 ()

TE AL SETMATOLOGY BRANCH SERVICEZMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COMPITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	2.2	3.5	2.0	• 4	• 1						9.4	9.5
NNE	• 4	•1	• 8	. 4								1.6	7.8
NE	. 4	• 3	• 8	• 3								1.8	7.1
ENE	• 3	1.1	• 7	• 1								2.2	6 • 3
E	• 1	1.4	• 8	• 3								2.6	0.6
ESE	• 1	1.0	1.2	1.1								3.5	8.5
SE	• 3	1.7	1.8	1.2	• 3						<b></b>	5.4	8.7
SSE	• 1	• 9	4.4	6.3	1.5			ļ		<u> </u>		15.3	12.1
	- 9	5.8	6.1	3.2	• 1					<u> </u>	ļ	15.1	7.9
\$5W	. 4	2.6	2.1	.6				L		ļ	ļ	5.7	6.7
SW	• 4	1.5	1.5	• 7								4.2	6.9
WSW	• 3	• 6	1.8	• 7	• 1							3.5	8.7
w	• 1	1.4	3.2	. 8	• 1	•1				L	<b> </b>	5.2	6.4
WWW	• 3	2 • 1	1.5	1.1		• 3	L		ļ	<b></b>		5.3	8.6
NW	• 3	2.1	1.5	.7				ļ		ļ		4.5	7.2
NHW	• 4	1.2	1.4	2.2	8.	ļ. <u>.</u>	ļ	ļ	L	L	<b> </b>	6.1	15.6
VARBL						Ļ		L		L		<b></b>	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	6.2	
	5.1	26.5	33.3	24.7	3.5	•6						100.0	٤.3

TOTAL NUMBER OF OBSERVATIONS

720

USAFETAC FORM AL 64 G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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A PAL SLIMATOLOGY BRANCH FETAS A LEATHER SE-VICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HICTOP APT FARGO NO	73-80	SEF
STATION	STATION NAME	PEAST	Monta
		ALL WEATHER	3 <b>633-287</b> 3
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.4	2.2	3.2	4.7	1.4							11.9	10.€
NNE	• 1	• 3	• 7	. 4								2.1	7.6
NE		• 3	• 7	.7								1.7	9.5
ENE	.4	1.2	1.5									3.2	6.5
ŧ	• ?	1.2	• 4									1.9	5.2
ESE	•1	1.5	1.2	. 8								3.7	7.6
SE	• 1	1.2	3.1	2.2		•1						6.8	9.3
SSE		2.1	4.0	7.8	1.4	• 1						15.4	11.6
\$	• 7	5.4	6.9	3.2	• 6							16.3	9.2
SSW	• 1	1.5	2.1	. 8								4.3	8.1
sw	• 1	• 2	1.5	1.4								3.?	9.1
WSW	• 1	1.1	1.2	1.0	• 1							3.6	9.0
w	• 1	1.3	1.9	1.4								5.3	8.6
WNW	• 1	1.1	1.9	1.5	• 3	• 3						5.3	10.8
NW	• 3	• 7	2.4	1.4		• 1	I					4.9	9.5
NNW		• 4	1.8	2.1	. 4							5.1	10.5
VARSL													
CALM			><	><	$\geq <$	><	$\geq \leq$	$\geq \leq$	$\geq <$	$\supset <$	$\geq \leq$	4.3	
	3.2	23.5	34.7	29.4	4.2	.7						190.0	9.

TOTAL NUMBER OF OBSERVATIONS 723

E AL CLIMATOLOGY PHANCH FISTAC FATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1+	HECTOR ART FARGO NO	73-80	€ £ Þ
STATIGO	STATION NAME	TEAR	Menta
		ALL WEATHER	0908-1100
		CLASS	HOVES (L.S.T.)
		CORDIVADE	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	• 3	1.7	2.9	6.8	1.8	• 3						13.7	12.2
NNE	• 1	• 8	• 7	1.4	•6	• 1						3.7	11.2
NE		• :	1.1	•1								1.4	5.3
ENE	• 3	• 6	1.1	• 7								2.6	8.3
E	• 1	• 1	• 7	• 6	• 1							1.7	10.3
ESE		- 8	•7	. 4	• 1			I		Ì		2.1	8.2
SE	• 3	• 9	2.8	2.5	• 3							5.7	10.5
SSE	• 3	1.1	3.7	4.7		• 3						11.1	11.5
\$	• 4	1.9	5 • 1	9.2	2.2	• 1						19.0	11.7
SSW		• 3	1.0	3.3								5.6	11.2
sw	• 1	1.2	1.2	1.0	• 1	• 3			l			4.0	10.2
wsw	• 1	•7	1.2	• 3	•6	. 4						3.3	11.7
w		• P.	1.9	1.2	- 6	• 3						4.9	11.5
WNW		• ĉ	1.8	1.9	1.2	1.0	• 1		L			6.9	13.9
NW		1.0	1.5	2.4	• 3		• 1	L				5.3	11.3
NNW		• 7	2.1	3.1	• 7							0.5	11.6
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.4	
	2.1	13.6	30.7	39.6	9.6	2.8	_ • 3					100.0	11.3

OTAL NUMBER OF OBSERVATIONS

723

E FAL CLIMATOLOGY BRANCH FETAC FATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73-60	SEP
STATION	STATION NAME	TEAM	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.2	1.4	8.6	1.8	• 4						11.7	13.3
NNE	• 1	• 3	1.0	. 8	•1							2.4	9.9
NE		• ia	• 8	• 6								2.2	8.4
ENE	• 1	• 3	• 6	• 6	• 1							1.7	9.2
£	• 1	• 5	• 8	1.0								2.5	9.1
ESE		. 4	2.2	•6	• 3							3.5	10.0
SE		• c	1.4	2.4	• 3							4.9	10.7
SSE			2.4	3.5	1.5	1.5					ļ	3.9	14.7
5	• 3	• 5	3.7	3.3	2.5	1.0	• 1					16.5	13.6
SSW	•1	• 7	1.0	1.8	1.0				i			4.6	12.2
SW		. 4	2.2	2.5	• 3	• 1						5.6	11.1
wsw		• 7	1.7	1.1	• 3							3.7	10.4
w	• 3	• 7	2.2	1.9	1.8	3						7.2	12.5
WWW	• i	1.1	2.1	3.1	2.2	-8						9.4	13.6
NW		• 1	1.8	2.5	• 3	•6	• 1					5.4	13.2
NNW		1.0	1.9	4.9	1.1	• 1						9.0	12.4
YARBL													
CALM	$\times$	> <	$\times$	$\times$	$\times$	$\times$	> <	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	-8	
	1.2	9.7	27.2	42.2	13.6	4.9	. 3					100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

721

TO PAL CLIMATOLOGY BRANCH COFECTAC A ACATHEM SEPVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 914	HECTOR APT FARGO NO	73-80		SEP
STATION	STATION NAME		TEARS	BONTH
	· ·	ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.5	4.6	5.8	2.6	• 3						14.9	12.2
NNE		• 5	1.8	1.2	• 1							3.7	9.9
NE	• 1	•6	1.0	• 1		• 1						1.9	5.4
ENE		• 4	• 0		• 1							1 • 4	8.5
E	• 1	• 4	1.2	• 7	• 3							2.8	9.9
ESE	• 1	1.1	1.8	.6	•1				I			3.7	8.3
SE	• 3	• 7	1.9	1.9	• 3							- 1	10.2
SSE		• 3	1.5	3.2	1.0	• 3						c • 5	13.0
5	• 4	1.5	3.2	6.9	2.5	1.0	• 4					16.3	13.3
SSW		7	1.2	2.6	. 8	. 1						3.6	12.5
sw	_ 3	• 3	1.2	1.9	1.0	• 1						5 • 4	11.7
WSW	• 1	• Ġ	1.2	1.1	• 1							3.2	9.6
w_		• 4	2.1	2.5	. 1	• 4						5.6	12.1
WHW		• 4	2.1	2.4	1.7	• 4						6.9	13.€
NW	• 1	• 6	2.5	3.5	1.1	1.2						9.0	13.6
MMM		• 7	1.0	3.7	1.9	•						7.4	14.5
VARBL													
CALM	$\geq \leq$	$\searrow$	$>\!\!<$	><	$\times$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	• છે	
	ì.7	10.8	29.6	38.3	13.9	4.4	. 4					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 727

AL PAL CLIMATOLOGY BRANCH PROTAC A EATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTUR APT FARSO NO	73-85		SEP
STATION	STATION NAME		VEARS	MONTH
		ALL WEATHER		1830-2300
		CLASS	- <del></del>	HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.2	2 • ₽	4.7	4.0	1.4	•1						14.3	9.9
NNE	•7	1.9	2.5	1.1	• 1							5.4	7.7
NE		2.2	• 7	. 4								3.3	6.7
ENE	•1	1.7	• B	• 3	• 1	• 3						3.3	6.7
•	• 3	1.1	1.4	•6	•1							3.5	8.3
ESE	. 4	1.7	1.8	1.1	• 3							J . 3	8.3
SE	• 1	2.2	4.4	1.8								5.6	8.5
SSE	• 1	1.2	3.5	1.7	. 4	• 1						7.4	9.9
5	• 3	3.2	5.4	4.4	• 8	• 1						14.3	9.6
\$5W	• 3	1.7	1.4	1.2								4.6	8.2
SW	• 1	. 4	•6	• 1	• 3							1.5	9.2
wsw		1.2	7		• 3							2.2	7.3
W	• 3	2.5	2.1	. 8	• 1							5.6	7.4
WNW	• 1	1.2	1.9	1.4	• 3		• 3					5.3	10.5
NW		1.1	2.6	2.9	. 7	, 4						7.8	11.5
NNW		• 5	1.0	1.8	. 8							4.2	12.3
VARBL													
CALM	$\boxtimes$	><	><	$\supset <$	><	>>	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	2.2	
	4.2	26.8	35.6	24.0	5.8	1.1	• 3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 725

USAFETAC  $\frac{\text{FORM}}{\text{AUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L TAE CEIMATOLOGY SEANCH T RELTAC ATT REAT EN SETVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	BUCTOR APT FARGO NO	73-80	\$ <b>£</b> #
STATION	STATION NAME	YEAR	MONTH
		ALL WEATHER	2 <b>1</b> 00-2300
		CLASS .	HOURS (L.S.T.)
	,		
	<del></del>		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	3.1	4.4	3.7	• 5	•1						12.4	9.4
NNE		2.2	• 7	•8						1		3.7	7.4
NE	• 1	• 3	1.1	•6								2.5	8.1
ENE	• 1	1.4	1.4	• 3								3.2	7.5
E	• 1	2.2	1.2	• 4	•1	•1			<u> </u>			4.3	7.9
ESE		1.5	1.4	•6	•				<b></b>			3.1	٥.?
SE		2.6	3.9	2	• 3	.1						10.1	13.1
SSE	• .	1.2	3.2	4.4	• 4	•1						7.7	10.5
\$	• 3	2.6	6.1	4.7	• 7	•1			<u> </u>			15.1	9.6
\$5W	• 6	1.5	2.2	. 4					1			4.7	5.5
SW	• 4	1.7	• 6	•1		• 4		<u> </u>				3.5	7.6
W\$W	• 3	1.3	1.2	•1					<del></del>			2.6	6.7
w	• 4	2.5	2.2	.7				<u> </u>	· · · · · ·			5.5	7.5
WNW	• 3	1.1	1.9	• 3	• 3	• 3						4.2	8.9
NW		1.8	1.	1.0	• 4	• 3						4.4	10.3
NNW		• 7	1.0	2.5	1.1	•1						5.6	12.3
VARBL												<b>†</b>	
CALM		$\supset <$	><	$\supset <$	><	> <	> <	$\supset <$	$\supset <$	$\supset \subset$	> <	4.3	
	3.9	27.9	33.6	23.9	4.0	1.8						170.0	4.7

TOTAL NUMBER OF OBSERVATIONS

725

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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L AL CLIMATPLOOF FRANCH STATES SEVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HOUTER ART FARGO NO	73-83		SED
STATION	SYATION NAME		YEARS	MONTH
		ALL WEATHED		ALL
		CLASS	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥56	*	MEAN WIND SPEED
N	. 4	2.1	3.6	4.7	1.4	_ • 2						1:.3	11.0
NNE	• 2	1.0	1.1	• 9	• 1	• [						3.3	5.5
NE	• 1	• 7	• 9	. 4		• 0						2.2	ਰੇ•
ENE	• .	1.1	1.6	• 2	• 1	• 0						2.5	7.4
E	• 2	<b>a</b> 0	• 9	• 5	• 1	<b>.</b>						2.7	8 . 3
ESE	• 1	1.2	1.5	.7	• 1							3.5	ઈ • ધ
SE	• 2	1.4	2.7	2.1	• 2	•						b.6	9.8
SSE	• 1	1. 1	3.4	5 • 🖸	1.0	• ?						10.9	11.
5	• 6		5.6	5.6	1.2	. 3	- 1					15.5	13.4
SSW	• 8	1.4	1.3	1.4	• 2	5					<u> </u>	5.0	9.
sw	• 2	1.1	1.2	1.0	• 2	• 1			<u></u>			2.9	9.
WSW	• 1	• 7	1.4	.6	• 2	• 1			<u> </u>	ļ		3.3	Ŷe
w	• 2	1.6	2.3	1.2	. 4	• 2			<u> </u>			20)	9.1
WNW	• 1	1.2	1.0	1.6	.7	• 4	• 1					0.0	11.5
NW	• 1	1.1	1.8	1.9	. 4	• 3	• €			ļ		5.7	11.
NNW	• 1	• 7	1.4	2.7	•	• 1						6.0	12.
VARBL							Ļ			Ĺ			
CALM	$\geq \leq$	$\times$	$\geq \leq$	X	$\geq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3 • 5	
	3.1	20.6	32.6	30.7	7.3	2.1	. 2					120.0	9.

TOTAL NUMBER OF OBSERVATIONS

5760

IL FAL CLIMATOLOGY BRANCH CETAC LEATHER SERVICEZHAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 4	SUCTOR APT FARGO NO	73-83	CCT
STATION	STATION NAME	YEARS	BONTH
		ALL REATHER	J030-0201
	<del></del>	CLASS	HOURS (L.S.T.)
	<del></del>	COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• ?	1.2	1.6	4.4	1.5	• 3	• 3						12.1
NNE	• 1	• 5	• 7	.7									5.5
NE		1.1	• 7	- 5								2.3	7.8
ENE	• 1	1.3	1.1	• 3								2.8	€ • ?
ŧ	• 3	• 5	1.5	•1						i	T	2.4	6.5
ESE	•	• A	• 8							1		1.9	5.1
SE	• 1	1.7	1.2	. 4		• 4					İ	3.4	5.9
SSE	• 1	1.5	1.9	5.8	2.8	.4						12.5	13.3
\$	• 7	4.6	6.3	5.8	• 5	• 3						17.7	9.5
SSW	• 4	1.0	1.5	• 3								4.3	6.4
SW	•1	2.5	1.5	.7			<u> </u>		1			4.9	7.2
wsw		1.3	1.9	. 4	• 3							3.9	₺.4
w	• 5	1.6	7.2	1.1								6.5	7.9
WNW	• 7	1.3	3.0	1.3	. 4	• 1	• 1					6.6	10.5
NW	• "	2.1	2.8	2.3	• 8		• 1					2.5	9.9
NNW	• 1	1.1	1.3	1.3	1.3	• 3						5.5	11.8
VARBL													
CALM	$\supset <$	> <	> <	><	><	> <	$\supset <$	$\supset <$	$\supset <$	$\supset <$		4.6	
	"•0	25.1	30.9	25.4	7.7	1.7	• 5					109.3	9.3

SE FAL GETMATOLOGY SHANCH STETAC A LATHER SERVICEZMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 11+	HTCTUP APT FARGO NO	73-80		CCT
STATION	STATION NAME		TEAMS	BONTH
		ALL WEATHER		3 <b>300-05</b> 00
		CLASS	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.4	1.1	2.0	4.6	8	•7						9.5	12.1
NNE	• 1	<i>y</i>	• 7	.7								2.3	F •
NE	• 1	1.2	• &	• 1								2 • 3	<b>6</b> • .
ENE	• l	1.1	æ			• 1				Ĺ		2.2	7 • 3
E	• ?	• 7	• 7	. 4								2.5	7.
ESE	• 1	• c	• F	• 4					ļ		<u> </u>	2.2	7.1
SE	• 1	1.2	1.2	. 8	• 7				<u> </u>			4.5	9.
SSE	• 1	1.2	4.2	5.2	2.2	•7				İ		13.€	12.4
s	• 4	4 .	5.6	4.6	• 9	• 1				ļ	<u></u>	15.7	9.
\$\$W	•4	1.3	2.2									3.9	6.
\$W	• 3	1.	1.5	8.								4.4	7.5
wsw	• 7	1.3	1.5	. 5	• 5	• 1		ļ		ļ	ļ <u>.</u>	4.3	9.1
w	• 1	3.	3.5	1.3								9.5	7.6
WNW	• 4	1.1	2.3	1.9	• 3							1.7	9.5
NW	• 7	1.7	2.7	2.4	• 5		• 3			L	ļ	7.9	10.2
NNW	• 1	1.2	1 • 2	1.6	1.1	• 5	.1					5.9	12.6
VARBL								L		<u> </u>	<u> </u>		
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$>\!\!<$	$\times$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	5.4	
	7.5	24.2	31.6	25.4	7.3	2.3	. 4		]			100.0	9.

24.2	31.6	25.4	7.3	2.3	.4					133.0	9.2
						•	TOTA	L NUMBER O	F OSSERVAT	IONS	744

L AL CLIMATOLOGY BRANCH FILTAC 4 LIATHIH SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	RECTOR ART FARGO NO	73-8G	C2.*
STATION	STATION NAME	YEARS	PORTH
		ALL WEATHER	J6 J6 = 76 BB
		CLASS	HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 4	2.	1.9	3.8	• 8	• 7						9.5	11.5
NNE	• 14	1.3	1.3	• 5	• 1				I	[		3.5	7.5
NE	•1	• 7	1.6	. 4					{		{	2.€	3.1
ENE	• 3	<b>,</b> 2	• 1	•1								1.5	5.4
E	• 1	• 7	• 1	• 3								1.2	6.7
ESE		• 5	• 9	• 4								1.9	0 4
SE		• •	1.7	•	• 5	• 1						4.2	10.6
SSE	• 1	1.3	4.0	5.8	2.3	• 3					Ĺ	13.5	12.3
5	• 7	3.9	5.3	6.0	• 7	• 1						17.7	9.6
SSW		• 3	• 9	• 5								2.3	8.0
sw	• 3	1.5	1.1	• 1	• 1							3 • 1	5.7
wsw	• "	2.2	• 9	1.2	.7							5.5	8.9
w	. 4	2.3	2.0	2.0	• 3	• 1	• 1					7.3	9.4
WNW	. 4	2.2	2.8	1.7	. 4							7.5	9.0
NW	• 1	1.1	2.6	1.5	. 4	• 1						5.8	10.0
NNW		• 5	1.5	2.2	1.5	• 7	• 3					0.6	14.8
YARBL													
CALM	$\supset <$	><	>>	><	$\geq <$	><	$>\!\!<$	$\geq \leq$	$\geq <$	$\geq \leq$	><	5.6	
	3.9	22.6	30.0	27.6	7.8	2.2	. 4					178.0	4.6

		TOTAL NUA	ABER OF ON	ERVATIONS .		744
					170.0	9.6
	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	5.6	
┪			<del> </del>		3.0	14.0

L FAL CLIMATOLOGY BRANCH CITAC CONFATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1- 1-	HECTOR APT FARGO ND	73-89		OCT
STATION	STATION NAME	<del></del>	YEAR	MONTH
		ALL MEATHER		3900-1100
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	13 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 1	• 7	4.0	4.2	2.6	1.2						12.0	13.7
NNE		• 5	1.2	1.2								3.0	10.3
NE	• 1	• 7	• 9	. 5								3	8.4
ENE		. 4	• 9	• 3								1.6	8.7
E	• 3	1.2	. 8	. 4								2.7	7.4
ESE		1.1	1.2	• 5						l		2 • 8	8.3
SE		ن ق	1.2	• 9	• 3						<u></u>	3.2	10.0
SSE	• 1	• 3	1.1	4.6	1.9	1.2				<u> </u>		9.1	15.0
\$	• 3	1.7	5.1	٠,9	3.5	• 1						25.7	12.6
SSW	• 1	• 5	1.1	1.5	• 5	• 1						3.9	11.7
SW	• 1	• 0	. 8	• 5	• 1			<u> </u>		ļ		2.6	8.5
wsw	. 3	. 4	• 5	. 9	. 4							2.6	10.9
w	. 4	1.2	2.4	1.7	.7	• 1			<u> </u>			L.6	10.1
WNW	. 3	• 9	1.7	3.1	1.6	.7	• 1	<u> </u>	<u> </u>			€.5	13.4
NW	. 3	• 5	1.9	2.2	1.3	2.0						8.2	15.3
NNW	• 1	• 3	1.3	3.6	1.5	. 4	• 1		L			7.4	13.9
VARBL									L	L			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	2.2	
	2.6	12.2	26.3	36.2	14.4	5.9	. 3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 744

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ANT I

L AL CLIMATOLOGY BRANCH FITAG REATHER SERVICEMMAC

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1+	AFCTOR APT FARGO NO	73-80	act
STATION	STATION NAME	YEARA	0047h
		ALL WEATHER	1233-1470
	<del></del>	CLANG	HOURS (L.S.T.)
	<del></del>	COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
		• "	2.0	€.2	2.8	• 8						11	14.5
NNE		• 3	.7	2.3	• 1						1	3.9	11.2
NE		• 7	1.9	- 8	• 1							3.5	7.5
ENE		.7	-8	• 3						1		1.7	7.5
E		• 9	• 5	.7	• 1						1	2.3	2.4
ESE	i	• 7	. 4	• 1								1.2	6.7
SE	•1	• 7	• 7	• 9	• 1	•1	• 1					2.3	11.2
SSE	• 1	• 3	• 9	3.8	1.9	• 5	• 1			1		7.3	15.1
5	• 1	• 5	3.2	0.0	4.4	• 5						17.9	14.0
SSW		• 5	1.1	1.9	1.6	• 3						5.4	13.9
SW		• *	.7	. 9	. 8							3.1	12.0
WSW		• 9	9.	1.9	• 3							3.9	11.3
W	• 1	• 4	2.0	1.7	1.7	• 3						5.3	12.9
WNW	1	• \$	1.9	2.4	2.4	•8						3.5	13.9
NW	• 3	• 3	1.7	3.5	1.5	1.6	• 1					3.D	15.4
NNW		1.5	1.7	2.6	1.6	1.9					<u> </u>	9.3	14.5
VARBL									Ī	l			
CALM		$\supset <$	$\supset <$	$\supset <$	$\times$	><	> <	$\supset <$	$\supset <$		$\supset <$	1.2	
	.3	10.3	21.1	39.0	19.6	7.1	. 4					173.3	13.3

TOTAL NUMBER OF OBSERVATIONS 7 4 4

HOWARE YDOLOTAMILS SEED TO STATE AL LEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARGO NO	73-80		OCT
STATION	STATION NAME		TEADS	MONTH
		ALL JEATHER		1500 <b>-17</b> 00
		CLASS		HOUSE (5.5.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	• 3	• "	3.8	6.6	2.3	•1	. 4					14.2	13.1
NNE		1 • 1	1.1	1.1	• 1							3.4	9.
NE		• i	1.3	1.5	• 1							١ . د	10.
ENE		· u	• 5	1.2				-				2.2	15.
E		• 3	• 7	- 8	• 4							2.5	10.
ESE	•1	• 3	• 7									1.7	6.
SE	• ?	• 5	• 9	.9	.7							3.4	11.
SSE		• 3	1.5	2.6	2.2	.8						7.9	14.
5	•1	• 0	3.6	4.3	3.5	• 5						13.0	13.
35W		. :	1.3	2.3	1.5	• 3						5.8	13.
SW	• 3	1.7	1.5	2.4	• 3					1		5.2	9.
wsw	•1	•	1.5	1.3	• 3					1		3.0	10.
w	•1	_ •	• 9	1.6	. 8	• 1	• 1					4.6	12.
WNW	•1	• *	8.	2.3	1.7	. 8	•1	•1				t.6	15.
NW		• 7	2.2	4.3	1.5	3.				1		9.4	13.
NNW		• ?	1.7	3.8	2.8	. 8						10.1	14.
VARBL								-				1	
CALM	$\searrow$	> <	> <	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	$\times$		1.9	
	1.5	12.4	24.1	37.0	18.1	4.3	• 7	.1				100.0	12.

TOTAL NUMBER OF OBSERVATIONS

LE TAL CLIMATOLOGY BRANCH FEETAC - FIATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 :	HECTOR APT FARGO NO	73-8u	OCT
STATION	STATION NAME	YEARS	#047#
		ALL WEATHER	1908-2080
		CLASS	HOUSS (L.S.T.)
			•

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 3	2.	3 • ₽	4.2	1.1	.4	• 3	• 1				12.1	11.7
NNE	.7	1.7	2.0	.9	.1							5.5	8.0
NE	• 3	2.4	1.1	9.								4.6	7.0
ENE	• 3	1.1	• 8		• 1							2.3	5 . !
E	•1	1.5	- 8	• 3	•1							2.8	7.1
ESE	• 1	1.7	1.1	• 5	• 1							3.6	7.8
SE	•1	1.7	3.5	1.2	•1							5.7	<b>8</b> • 2
SSE		1.2	1.5	2.7	2.4	• 5						7.3	13.3
\$	. 7	2.2	£ • 1	5.9	1.3	• 3						10.4	10.6
SSW	. 4	• 5	1.9	• 3	• 3							3.4	8.2
sw	1	1.1	1.5	• 1	.1							3.0	€.2
WSW		• 3	• 9	• 1	•1							2.2	7.5
w	• 4	1.7	2.	1.3								5.5	8.4
WNW	• 1	.4	2.6	2.0	• 3	• 3	• 1					\$.5	11.2
NW	• 1	• 9	3.1	1.6	.7	.4						0.7	11.0
NNW		• 5	2.0	2.6	• 9	•1	•1					6.5	12.1
VARBL	I												
CALM	$\supset <$		> <	$\supset <$	> <	$\times$	> <	$\supset <$	$\supset <$	$\supset <$	><	4.4	
	3.9	21.7	34.7	24.6	7.9	2.0	• 5	•1				100.0	9.4

>	$\times$	$\sim$	4.4	
			100.0	9.5
TOTAL NUM	USER OF OBS	ERVATIONS		743

TOTAL CLIMATOLOSY BRANCH VESTAC VESTATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	WELFOR APT FARGO NU	73-8ú	OCT
STATION	STATION NAME	TEAM	JOH TH
		ALL WEATHER	<b>21</b> 03 <b>-23</b> 00
		CLASS	MOVES (L.S.T.)
		CORRITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2• %	2.8	4.0	1.1	.4	• 3					11.4	11.4
NNE	• 3	• 7	1.3	1.1	• 3							3.6	5.1
NE	• 7	1.5	• 5	. 4								2.7	6.0
ENE		1.5	• 9	• 3								2.5	€ • €
E	• 1	1.2	• 9	• 1								2.4	€.7
ESE		1.7	1.3	.4								3.1	7.3
SE	• 1	1.0	1.5	2.0	.4	• 1						5.2	9.6
SSE	• 5	• 0	2.4	5.6	2.2	• 4						11	12.6
\$	• 1	3.1	7.3	5.1	1.3	•1						17.1	10.2
35W	• <u>c</u>	1.7	2.2	1.2								نا ور	8.0
SW	• 1	1.2	1.3	• 3								3.0	6.5
wsw		• 2	1.2	• 8		-				]		2.3	<b>7.</b> 5
w	• 1	2.0	2.7	1.6	. 4			•1				7.3	9.6
WNW	• 3	• 9	1.3	1.2	• 1	• 1	• 3					4.3	10.7
NW	• ?	• 3	1.9	1.6	1.1	• 1						5.2	12.1
NNW	•	1.5	2.7	2.3	•5	• 3	• 3					7.8	10.9
VARBL												<u> </u>	
CALM	$\times$	$\supset \subset$	$\supset <$	$\supset \subset$	$\times$	$\times$	$\times$	$\supset <$	> <	$\supset <$		3.5	
	3.1	23.0	32.4	23.1	7.4	1.6	. 8	1				103.0	9.7

	TOTAL NUM	MARK OF ORS	SERVATIONS		744
Ц		<u> </u>	<u>.                                    </u>	183.0	9.7
	$\mathbb{X}$	$\geq$	$\geq$	3.5	
				7.8	10.9
			L	5.2	12.1

L TAL CETMATOLOGY BRANCH EATHER SERVICEZMAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR AFT FARGO NO	73-80		367
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
	<del> </del>	CLA96	<del></del>	HOVES (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	1.4	2.7	4.7	1.6	•6	•2	•3				11.5	12.6
NNE	• 2	• 5	1.1	1.1	• 1							3 • 4	9.0
NE	•1	1.0	1.1	•6	• 0							2.9	5.2
ENE	•1	• 9	• 8	• 3	•0	•0						2.1	7.4
E	• 5	1.0	. A	.4	.1				1	1		2.3	7.€
ESE	• 1	1.	• 7	• 3	• 0							2.3	7.4
SE	•1	1.2	1.5	1.0	. 4	•1	• 17					4.3	9.7
SSE	• 7	1.	2.2	4.5	2.2	•6	• 3					10.7	13.3
S	• 3	2.5	5.4	6.3	2.7	• 3						17.0	11.2
SSW	• 2	1.7	1.5	1.0	• 5	•1						4.3	9.9
SW	• 2	1.4	1.2	• 7	• 2							3.5	8.3
wsw	• 7	1.0	1.2	• 9	• 3	• 3						3.5	9.6
W	• 3	1.7	2.4	1.6	• 5	• 1	• 1	• 0	Ī	I		5 • 5	9.5
WNW	• 2	1.7	2.1	2.0	. 9	• 4	• 1	•0				6.7	11.8
NW_	• 2	• 9	2.4	2.4	1.0	• 6	• 1					7.6	12.3
NNW	• 1	• 6	1.7	2.5	1.4	•6	. 1					7.4	13.2
VARBL													
CALM		$\supset <$	><	$\supset <$	$\supset <$	$>\!\!<$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	3.5	
	2.7	19.7	28.9	30.4	11.2	3.4	• 5	•1				170.0	10.7

TOTAL NUMBER OF OBSERVATIONS 5951

THE PART OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1+	ALCTOR APT FARGO ND	73-86	NSV
STATION	STATION NAME	YEARS	80474
		ALL WEATHER	/pan-pant
	<del></del>	CLASS	HOUGE (L.S.T.)
	•		
		COMPLICA	<del>-</del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	3.2	2.9	4.9	1.9	• 7	• 1					15.7	11.4
NNE	• 1	1.2	• 3	. 4	• 6	• 1						3 • 3	9.6
NE	• 1	ر. •	.6	. 4								i.o	7.5
ENE	• 1	1.1	• 3	. 4								1.9	7.1
ŧ	• 1	1 • ²	• 3	• 1	• 1							2.5	6.2
ESE	• 1	• 5	• 8	. 4								1.9	7.5
SE	• 1	• 3	1.0	9							L	2.2	9.7
SSE	. 4	. 7	2.5	4.9	1.2	• 3						10.0	11.7
S	• 7	3.2	7.9	5.7	• 3	• 1					L	17.5	9.6
SSW	• 1	3.3	2.1	• 3							L	5 • 6	6.2
\$W	• 3	1.	1.9									4.3	6.6
WSW	• 1	• 8	1.2	. 4								2.6	7.5
w	. 1	2.5	1.5	2.1	• 3						l	6.5	9.1
WNW		. 7	1.2	1.9	• 6	• 3	• 3					5.0	13.4
NW	• 6	1.2	2.8	2.2	1.3							7 · B	10.1
NNW		1.1	1.5	2.4	1.1	• 7	. 4				L	7.2	13.8
VARBL													
CALM	$\boxtimes$	$>\!\!<$	><	$\times$	> <	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	5•7	
	3.1	24.4	29.4	27.4	6.9	2.2	. 8			}		100.0	9.4

TOTAL NUMBER	OF OBSERVATIONS	725

L AL CLIMATOLOUM EMANCH LLCCLIAC F CATRON SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 -	HOUTOR APT FARGO NO	73-85		NUV
STATION	STATION MARE		YEARS	uentu
		ALL REATHER		U300-0590
		CLASS		HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	2.5	3.2	5.3	1.7	. 4	.4					13.7	12.0
NNE	• 3	• 4	1.7	.7	• 4	• 1						3.€	10.3
NE	• 4	1.5	3.									4.9	5.0
ENE		1.2	-8	• 1	• 1							2.4	7.6
E	• 1	• 7	• 1	.6						i		1.5	8.4
ESE		• 2	- 4	.1								1.4	6.8
SE	• 3	1.7	1.0	•6	• 1							207	7.0
SSE	• 1	1.2	2.2	4.6	1.2	• 3						9.7	11.9
S	• ?	3.3	8.2	6.8		• 1						15.7	9.5
SSW	• 4	2.2	2.4	• 3								5 • 3	6.9
SW	• 3	• B	1.0									2.1	5.6
WSW	• 3	1.2	1.8	• 3					1			3.6	7.1
w	. 7	2.2	2.9	2.8	• 3							6.9	9.0
WNW	• 1	• 7	1.8	2.2	.4							5.3	10.6
NW	• 1	1.1	2.1	1.5	1.0	1.0						6.8	12.5
NNW		• 7	1.9	2.1	.7	. 4						5.3	12.3
VARBL													
CALM		$\supset \subset$	$\supset <$	><	$\mathbf{X}$	$>\!\!<$	><	$\supset <$	$\supset <$	$\supset <$	> <	0.1	
. <u></u>	3.9	21.2	32.1	27.9	6.0	2.4	. 4					170.0	9.4

TOTAL NUMBER OF OBSERVATIONS 725

TE HAL CLIMATOLOGY BRANCH TAC H FEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR APT FARSO NO	73-80		Nev
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1630 <b>-</b> 5060
		CLASS	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, i+	1.7	4.3	5.3	2.4	. 4	. 4					14.9	12.5
NNE	• 1	1.1	1.4	. 8	• 7							4.2	10.5
NE	. 1	•6	•6	• 1								1.4	6.7
ENE	• 1	• 4	• 3									. 3	6.2
E		• 7	1.4	• 3								2.4	7.4
ESE		• 1	. 4	• 3								• 3	9.3
SE		• -:	1.1	1.1								3 - 1	9
SSE	• 1	1.5	2.2	4.4	1.0	• 1						7.4	14.6
S	. 7	3.5	6.9	6.1	•1							17.5	9.7
SSW	• 1	2.1	1.8	• 7								4.7	7.1
SW_	. 4	1.1	1.0	. 7	• 1							3.3	7.7
wsw	• 1	1.3	1.9	.7	• 1			,				4.7	7.8
w	. 1	1.0	4.2	1.9								0.2	٤. ٤
WNW	• 3	1.0	2.5	1.8	. 4							0.3	9.5
NW	• 3	1.9	1.2	2.1	1.4	7						7.5	12.2
NNW		1.0	1.8	2.8	• 7	• 3						6.5	12.1
VARBL													
CALM	$\supset <$	> <	$>\!\!<$	><	$\times$	> <			$\supset <$	$\supset <$	><	4.4	
	3.1	21.4	33.1	29.2	6.9	1.5	. 4					100.0	9.

TOTAL NUMBER OF OBSERVATIONS 720

LE PAU CLIMATOLOGY BRANCH PRIMAC SERVICEZMAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1- 14	RECTOR ART FARGO NO	73+80		VOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		J938 <b>-11</b> 93
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	1.4	3.1	6.9	3.3	1.2	.4	• 3				17.1	14.2
NNE	• 1	• 6	.6	1.1	• 3	• 1						4.9	11.1
NE	• '	• ?	1.1		• 1							1.6	3 • ↑
ENE	<b>!</b>		1.0	. 4								1.4	9
E	• 1	• 3	. 4	. 4								1.2	8.3
ESE		• 1	• 4.	•6								1.2	٠ - ٦
SE		• 4	1.4									1.5	ಶ• :
SSE		1.^	2.1	4.€	1.5				1			7.2	12.4
5		1.7	5 • B	7.1	1.5	• 3						15.7	11.7
SSW		1.	1.9	1.4								4 . 3	9.7
SW		1.5	2.2	1.0								4.7	ರ • :
wsw	• 1	1.4	1.5	•7	•1		_					3.9	8.2
w	• ?	1.1	1.9	2.2	1.0	• 1						6.7	10.9
WNW	• 4	1.1	1.8	3.3	1.3	• 4						<b>8 • 1</b>	11.5
NW		• 7	2.5	2.8	1.3	• 6	• 3					0.6	14.1
NNW		1.	3.3	2.9	2.1	• 1						9.4	12.2
VARBL													
CALM		$\supset <$	$\supset \subset$	$\supset <$	><	> <	> <	$\supset <$	$\supset <$		><	2.1	
	1.5	12.2	31.2	35.4	12.8	2.9	. 7	.3				170.0	11.5

TOTAL NUMBER OF OBSERVATIONS 725

TAR CLINATOLOGY RRANCH TITAS TEATHIR SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.4	HICTOR AFT FARGO NU	73-84	
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1270-1401
	— <u>————————————————————————————————————</u>	CLA96	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• l	1.	4.7	6.1	2.6	2 • 2	• 1	• 3				17.3	14.1
NNE	• 1	• 5	1.5	1.0	. 6							3.7	13.7
NE	• 1	• ?	1.1	• 3								1.5	ö • °
ENE			• 3	. 4								. 7	11.4
E			• 4	• 4								• S	13.
ESE		• i	• 3	. 4								• 3	15.2
SE		• 1	. 4	1.2							Ĺ	1.5	11.0
SSE	ll	• *	1.5	7 <u>•</u> 3	2.4	.7	• 1					2 . 3	15.1
S	• 1	1.1	4.0	4.3	1.0	•6						11.1	11.
ssw	• 3	6_	1.8	2.9	. 4							5 • 3	10.
sw	• 3	1.1	3.1	1.4	• 3							≥ • 1	5.
wsw	<u> </u>	<u>• 5-</u>	1.4	•6								2.5	8.0
w	• 1	• 7	2.6	3.2	.4	• 1	L			<u> </u>		7.2	11.
WNW	L1	1.1	2.1	3.5	1.0	- 8	. 7					9.C	13.5
NW	• 1	1.	1.4	2.6	2.2	1.4	. 1					0.9	14.
NNW		• 6	2.9	4.9	2.5	. 7	. 3			ļ		11.0	14.0
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	1.4	
	1.4	9.6	29.6	36.5	13.3	6.5	1.4	• 3				103.0	12.

TOTAL NUMBER OF OBSERVATIONS 72

L HE CETMATOLOGY BRANCH FETAC CARTROS SERVICEZMAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 19	HIGTOR APT FARGO HU	73-80		NOV
STATION	STATION NAME		YEARS	MONTH
		ALL HEATHE?		1500-1701
		CLA96		HOURS (L.S.T.)
		_		
	<del></del>	COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	1.5	4.3	7.6	1.0	2.4		. 4				1:.5	13.3
NNE	.1	• ?	2.1	1.7	• 4	•1			<del>                                     </del>	<del>                                     </del>	<del></del>	:.1	10.5
NE	• 1	• 1	2.2									2.5	7.5
ENE	• 1	• 1	• 1	• 3	- 3				<del>                                     </del>			1.0	11.5
E	• 1	• 1		• 1								.4	6. ?
ESE			• 8	• 7						1		1.2	10.5
SE		• 3	1.7	1.5	•1						<u> </u>	3.0	13.3
SSE		• 6	1.8	3.1	1.2	• 9						7.5	13.7
S	• 1	1.5	4.4	2.0	• 8	• 8						13.7	11.1
SSW		1.3	2.4	1.8	• 1					·		3	9.9
sw	• 3	1.5	• 8	1.1								3.7	7.5
W\$W	• 2	1.	1.4	. 8								3.5	7.9
w	• 1	1.5	3.3	• 8	. 4							0.2	9.0
WNW	• 1	1.5	1.7	1.9	1.5	• 1	• 3			l		7.5	12.4
NW		• 4	1.7	5.3	1.4	.4	• 1	. 5				7.6	14.1
NNW	• 4	1.2	2.5	4.7	1.5	• 4	• 1					11.3	12.4
VARBL													
CALM	><	$>\!\!<$	$>\!\!<$	><	><	$\supset <$	> <	$\supset <$	$\supset <$	><	> <	2.6	
	2	13.2	31.2	34.4	9.9	5.1	. 6	• 7		*		100.0	11.4

1			1000	i 11.4
TO	TAL NUMBER	OF OBSERVATI	ONS	72 :

CAL CLICATOLOGY READON TAC DAYNEDIVERS TATES

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 9	ALCTOR APT FARGO NO	73-60		**5V
STATION	STATION NAME		YEADS	BORTA
		ALL WEATHER		<u> 1600-2000</u>
	<del></del>	CLA96		HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	%	MEAN WIND SPEED
N	• t	2.5	3.7	5.1	2.4	• £:	•6	• 1				1: • 7	12.7
NNE	• 1	1.7	1.7	1.7	• 3							5.7	9.1
NE		1 • a	1.2	• 1								. • •	Lo:
ENE	• 1	• 5	. 4		• ?	• 1						1.7	9.4
E				• 3								• 3	13.
ESE	• 5	. 4	1.3	.1								1.3	7.
SE	• 1	• 4	2.4	1.0	• 1							4.0	9.
SSE		. 4	2.5	2.9	1.4	•6						: • 1	13.
5	- 7	3.5	6.7	3.9	1.4							15.5	9.
ssw	• 7	1.0	2.2	• 1								3.0	7.
SW /	• 7	1.7	1.4	• 1								3.9	ნ•′
wsw	. 7	• 4	1.5	• 6								3.2	7 • :
*	• 1	2 • •	3.6	. 8	• 3							7.5	7.0
WNW	21	1.	3.3	1.8	1.0	• 1						7.9	10.
NW	• 4	1.4	• 8	1.8	. 4	• 1		. 4				5.4	12.2
NNW		• 5	2.2	2.6	. 7	•		. 1				5 و ن	12.5
VARBL													
CALM	$\geq \leq$	><	$\ge$	><	><	$\times$	$\times$	$\geq \leq$	><	$\supset <$	><	4.3	
	4.5	20.7	35.7	24.0	5 . 2	1.8	• 6	• 7				100.0	9.

4.3		$\sim$	>	$\geq \leq$	$\times$	$\times$	$\searrow$	>	$\times$	$\sim$	>
150.0 9.3				• 7	. 6		5.2				4
720	ERVATIONS	ABER OF ORS	TOTAL NUM								

LATE - SE VICEZMAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	RECTOR APT FARGO NO	73-83		NO /
STATION	STATION NAME		YEARS	BONTH
		ALL WEATHER		0100-2300
		CLASS	<del></del>	HOURS (L.S.T.)
		CLASS		HOVE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• L	1.1	4.9	4.7	1.5	1.0	• 1				i	13.4	12.1
NNE	• 1	• 7	1.5	1.0	• 7							4.2	10.3
NE		1.	1.1	• 1								2 . 3	6.3
ENE	• 1	• 6	- 3	• 1								1.1	7.1
ŧ		1.1	.7	• 1	• 1					Ĺ		2.1	7.€
ESE		• 4	1.0	• 3							İ	1.9	7.1
SE		1	2.1	1.8		• 1					<u> </u>	5.0	9.7
358	• 1	• 4	1.4	3.2	1.3	• 3						7	13.0
<u>s</u>	• 7	2.0	9.5	5.6	8				L			10.5	9.4
SSW	• 4	2.4	3.1	• 4								t • 3	6.8
sw		1.7	1.7									2.6	6.7
WSW		1.5	1.4	. 4								2.3	7.2
w	• 5	2 - 8	1.7	2.1	• 1					L		7.2	8.2
WNW	• 1	- 8	3.3	2.2	• 8				ļ	ļ		7.4	10.A
NW		1.0	2.1	1.5	. 8		•1	• 3		<b></b>	L	6.8	11.5
NNW	•1	• 5	1.3	1.8	1.0		• 4		<u> </u>			5.1	13.1
VARBL										<u> </u>			L
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	> <	><	5.1	
	3.2	20.7	35.9	25.5	7.2	1.4	.7	• 3	]			150.0	9.5

• 5		į.		5 . 3	11.5
				5.1	13.1
$\leq$	$\geq \leq$	><	><	5.1	
• 3				150.0	9.5
_	TOTAL NUA	ABER OF OBS	ERVATIONS		719

AL CLIMATOLOGY PRANCH STAC SATHER SE VICEZMAC

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 +	HECTOR AFT FARGO ND	73-80		NOV
STATION	STATION NAME	YEARS		BORTE
		ALL WEATHER		ALL
		CLASS	<del></del>	HOURS (L.S.T.)
	<del></del>		<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N	. 4	1.0	3.9	5.9	2.2	1.1	• 3	• 1				15.9	13.7
NNE	• 2	• 9	1.4	1.0	• 5	• 1						4.1	13.2
NE	. 2	• 7	1.1	•1	• ?							2 • 1	7.1
ENE	• 1	• 5,	• 4	• 2	• 1	•						1.4	8.4
E	• 1	• 6	. 4	• 3	• 0							1.4	7.8
ESE	• 1	• 3	•6	.4								1.4	8.3
SE	• 1	• 5	1.4	1.0	.1	•						3.2	9.5
SSE	• 1	• 3	2.1	3.9	1.4	• 4	•0					r.6	12.5
5	•:	2.5	6.6	. 5.3	• 7	• 2						15.7	10.1
SSW	• 2	1.7	2.2	1.0	•1							5.2	6.0
SW	• 3	1.3	1.6	•5	• 1							3.6	7.5
WSW	• ?	1.1	1.5	•6	•							3.4	7.7
W	• 3	1.5	2.7	2.0	• 3							7 . 3	2.2
WNW	• ?	1.1	2.3	2.3	.8	•2	• 2					7.	11.7
NW	• ?	1.2	1.8	2.5	1.3	•5	• 1	• 1				7.7	12.0
NNW	. 1		2.2	3.0	1.3	.4	•2	•C			-	7.9	12.9
VARBL													
CALM		> <	> <	$\supset <$	> <	$\times$	><	><	$\supset <$		> <	4.3	
	2.3	18.7	32.3	30.0	8.9	3.0	• 7	• 3				170.0	13.4

TOTAL NUMBER OF OBSERVATIONS

E AL SLIMATOLOUY SHANCH ETAC E ZATHER SERVICEZMAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11114	HECTOR ART FARGO NO		73-83		nec
STATION	STATION HAME			TEARS	MONTH
		ALL	REATHER		::::::::::::::::::::::::::::::::::::::
			CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	1.5	4.3	5.1	1.6	• 7		İ				13.4	11.9
NNE	• 4	• 4	1.9	.9	. 4				I			4.0	5.0
NE	-5	. ف	• 7									2.2	5.7
ENE	• 8	1.3	• 5	•1								Z • B	5.3
E	.3	• 5	.7	. 4								2.2	7.1
ESE	• "	• 3	• 3	• 3								1.7	5.3
SE	• 5	1.1	•7	1.3	•1							3.3	0.2
SSE		• 3	2.0	4.7	3.0	• 5						10.5	14.5
\$	• 1	₹ • 2	6.6	5 • A	• 9							13.7	9.5
SSW	• 3	1.6	1.9	• 5	_							4.3	7.5
sw	• 3	2.2	• 5	• 0	• 3							4.2	ნ•Ր
WSW	• 3	• ,	1.1	.7								2.8	7.9
w	-1	2.6	•7	.7	• 5	. 4	• 1					5.1	10.0
WNW	• 5	• 7	1.7	.4	• 1							3.5	7.7
NW		• 5	1.5	2.4	1.3	• 5						6.6	13.5
NNW	• 3	• 4	1.6	2.7	1.5	• 3						7.1	12.6
VAROL													
CALM		>><	$\geq <$	$\supset <$	>><	>>	$\times$	$\supset <$	$\supset <$	$\supset <$	> <	L.9	
	5.1	22.0	26.6	27.0	9.8	2.4	• 1				- Marie	186.8	9.5

_				100.0	9.5
	TOTAL NUM	ABER OF OBS	<b>ERVATION</b> S		744

AL CLIMATOLOGY BRANCH CTAC CATHOR SERVICEZMAD

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1 -	HECTUP ART FARGO NO	73-60	bec
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	u <b>300-</b> n <b>5</b> 00
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N	•	1.6	3.6	5.1	2.7	• 1						13.4	12.1
NNE	۶ •	1.2	2.4	, 7	• 3							4.8	3 . 5
NE	•	1.3	_ • 3	• 3								2.2	E, C
ENE	• 1	• 5,	• 0	• 3								1.9	7.8
E	• 7	_ • 3	9.						I			1.3	5.E
ESE	• '	• 3	. 7	. 4								1.6	7.3
SE	• 1	1.	. 8	1.9	• 1			L	<u> </u>		L	4.4	9.2
SSE	• 3	1.1	1.6	4.7	2.7	.4			L			13.1	13.2
\$	• 3	4.3	7.7	6.5	• 3							19.0	9.3
\$\$W	• 1	1.7	2.4	. 3								4.6	7.3
sw	• 1	• >	• 5	• 5	• 1				L	L		ĉ.3	8.4
wsw		1.5	1.3	, 4								3.4	7.3
w	.5	1.2	1.5	. 9				<u> </u>	<u> </u>			4.2	7.2
WNW	• 3	1.5	1.6	1.9	. 5	•1		L	<u> </u>			5.9	10.2
NW		1.2	1.3	2.0	1.3	• 3		Ĺ <u> </u>				6.2	12.3
NNW	• 3	. 4	1.2	3.2	. 9	• 5	• 3	L				6.9	14.3
VARBL									<u> </u>	L			
CALM	$\times$	$\times$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	7.9	
	3.5	20.7	28.8	29.0	8.3	1.5	• 3					170.0	9.4

total number of	OBSERVATIONS	744	

AL CLINATOLOGY BEANCH FLTAC A SERVICEZMAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1 -	HICTOR APT FARGO NO	73-83		DEC
STATION	STATION NAME	<del></del>	TEARS	9947#
		ALL WEATHER		.600 <b>-</b> 0a00
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	1.2	4.5	5.5	1.7	1.6	• 1					14.5	13.1
NNE		• 0	1.3	• 7	• 3	• 1						4 و ذ	10.
NE	• 3	• 7	1.2	• 1								2.3	6.5
ENE		• 7	1.2	•1								1.0	8.3
E	. 1		1.1	• 5								1.7	9.5
ESÉ	• 3	• 7	• 3	• 5								1.7	7.5
SE	• 3	• `	1.2	1.3	. 4							4	9.9
SSE	• ?	1.1	1.9	4.7	2.3	.1						10.3	12.9
5	• 7	4.7	6.7	6.2	• ?							19.3	9.2
SSW	•3	1.7	1.5	. 4								3.9	7.1
sw	•7	1.6	• 9	• 9								4.2	7.4
wsw	•5	1.2	• 4	• 3								2.4	6.1
w	• <u>c</u>	1.1	2.3	• 7								5.1	7.6
WNW	• 1	1.3	1.9	1.3		• 5						5.2	10.5
NW	• 1	1.1	1.9	1.6	• 7	•8						6.2	12.5
NNW	• 1	• 7	1.7	2.4	1.7	• 1		• 3				7.1	13.4
VARBL													
CALM	$\mathbb{X}$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	$\geq$	$\geq$	><	7 • 3	
	4.6	19.1	30.1	27.4	7.8	3.4	• 1	• 3				1"3.0	9.7

	TOTAL NUA	IBER OF ORS	ERVATIONS		744
3				173.0	9.7
$\leq$	$\times$	$\times$	$\searrow$	7.3	

AL CLIPATOLSSY REANCH (TAC EXT OF SERVICEZMAS

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	MECTUR ART FARGO NO	73-8J	<b>ិ ដ C</b>
STATION	STATION NAME	YEADS	MONTH
		ALL WEATHER	.900-1100
		CLASS	HOURS (L.S.T.)
	<del></del>	COMPLETION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N		1.0	3.9	4.6	2.4	1.5	• 4					14.4	13.5
NNE	• 5	• 5	1.7	• 8								3.4	6.4
NE	• 1	. 4	• 7	• 3								1.5	7.6
ENE	• 1	. 4	1.3	• 3								2.2	7.7
ŧ		• 7	3.	• 1								1.0	7.7
ESE	1	• 7	• 3	• 9								2.0	9.3
SE	• 1	• 7	1.2	• 8	• 3							3.4	9.4
SSE	.1	1.t	1.5	4.4	2.3	. 8						16.8	13.3
5	• 3	4.0	5.4	6.3	2.3	• 1						16.4	12.7
SSW	. 7	1.3	1.7	1.2								4.5	8 • 1
SW	• 1	1.3	1.3	. 4								3.2	7.4
wsw	- 1	. A	1.5	. 4								2.8	8.1
w	• ₹	2.6	1.9	2 • C	• 3							7.0	8 . 5
WNW		•4	1.2	2.3	. 8	• 1						4.9	13.0
NW	• 4	1.2	1.6	2.3	. 8	• 1	• 1					6.6	11.6
NNW		1.1	2.3	2.8	• 8	1.1	• 3					8.3	13.5
VARBL													
CALM	$\boxtimes$	><	><	$\geq <$	$\geq$	$\times$	$>\!\!<$	$\boxtimes$	$\geq <$	><	><	5.1	
	2.4	17.6	48.4	30.0	9.9	3.6	• 8					103.0	10°5

TOTAL NUMBER OF OBSERVATIONS 7

E LAL CLIMATOLOGY AGANCH 1976 TAC 27 SEATHER SERVICEZMAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 1 -	HECTUR APT FARGO NO	73-8û	DEC
STATION	SYATION NAME	YEARS	MONTH
		ALL #EATHER	1200-1400
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• :	2.6	2.0	5.2	3.8	1.5	•3					15.7	14.1
NNE		• F	1.5	1.6								3.9	9.3
NE		• 4	• 5									. 9	6.7
ENE		• 5	• 4	. 4								1.3	8.0
£		• 5	3.	. 4								1.7	8.5
ESE	•1	• 7	• 9	• 8								2.€	6.9
SE	•1	• 7	1.2	1.2	•1							3.4	9.3
SSE		• 7	2.0	3.4	1.1	٠,۶					1	8.2	13.4
\$	• 4	1.3	4.3	9.3	2.0	.7						10.3	12.6
SSW	•3	1.2	1.7	1.5	.1							4.5	9.0
SW		1.6	• 9	.4	ļ — —							3.0	7.4
WSW		• 3	1.6	.4								2.8	8.5
w		• €	2.6	2.3	. 4							E • 0	10.7
WNW	•1	• 4	1.6	2.7	1.2	. 4						5.5	13.1
NW	• 1	1.2	1.2	3.0	1.7	• 3	• 1		<u> </u>			7.7	13.3
NNW		1.5	2.3	3.0	1.6	1.1	•1	<u> </u>				9.5	13.4
VARBL		<u> </u>		1							İ	<b>†</b>	
CALM		$\geq$	$\sim$	$\times$	$\times$	$\times$		$\times$	$\boxtimes$	$\times$	>>	3.9	
	1.5	16.0	25.7	35.5	12.1	4.8	• 5					170.3	11.5

TOTAL NUMBER OF OBSERVATIONS

744

AL CLIMATOLOUY BAANCH LITAC EATHER SERVICEZMAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTOR ART FARGO NU	73-80		DEC
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS	•	HOURS (L.S.T.)
		COMPLETION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	2.3	3.1	4.7	4.0	2.0						16.9	13.3
NNE		1.1	1.7	1.6	. 4							4.8	10.0
NE		• 7	• 1	. 4								1.2	c • 4
ENE	• 1	1.2	• 7	. 3				T				2.3	6.3
E	• 7	• 7	1.6	• 3								2.5	7.6
ESE	• 1	• 0	• 5									1.6	6.8
SE	• 1	1.1	1.6	•7	• 3	• 1	• 1					4.0	13.0
SSE		• 7	1.9	7.2	1.5	• 9	• 1					8.5	14.0
\$		3	5.6	7.4	1.2	. 4						16.9	11.4
SSW	• 3	• G	2.3	1.1								4 • 2	8.6
SW	• 4	1.1	1.3	• 1								3.0	6.5
W\$W	- 3	1.1	1.1	. 4					I			2.6	7.3
w	• 3	1.2	2.7	• 3	.4	• 4						2.€3	7.8
WNW		• .	2.6	2.4	1.1							6.3	12.3
NW	• 1	1.2	2.2	2.3	• 3	• 3						6.3	10.6
NNW	• ?	. 7	2.7	3.2	• 5	1.2						3.6	12.3
VARBL													
CALM	$\supset <$	$\supset <$	$\supset <$	$\geq <$		>>	><	$\supset <$	><	$\supset <$	> <	4.4	
	2.6	17.7	31.5	28.4	7.8	5.4	• 3					100.0	10,7

			TOTAL NU	MBER OF OS	SERVATIONS		744
4	. 3					120.0	10.7
$\leq$	$\ge$	$\geq$	$\geq$	$\geq$	>	4.4	
2						3.6	12.8
3						6.3	10.6
1			<del>                                     </del>	<del>                                     </del>		6.3	12.3

AL CLIMATOLOGY EPANCH SUTAC FETHER SERVICEZMAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	SECTOR AFT FARGO NU	7.7-80	DEC
STATION	STATION NAME	YEARS	,, #0478
		ALL WEATHER	1830-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	•

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN - WIND SPEED
N		3.4	3.1	5.4	3.5	1.2						16.7	12.4
NNE	• .	1.2	• 5	1.6	• 1							3.5	9.5
NE_	• 1	• 5	. 4	9.								1.4	9.4
ENE	• 1	1.1	• 5	• 4								2.4	5.9
E		• 8	1.9									2.7	7.7
ESE	• 1	1.2	• 3	• 1						<u> </u>		1.7	5.6
SE	• ?	1.2	• 7	1.3							<u> </u>	3.5	3.8
SSE	• 1	• 6	1.9	4.4	1.5	1.3	. 4					13.6	14.4
S	• 7	3.4	3 · A	6.7	1.2	•			<u> </u>			10.1	10.5
SSW	• 1	1.2	1.9	• 1	•1							3 • 5	7.6
sw	• 3	1.6	1.2	1.2	• 1							4.4	5.1
wsw	. 4	1.9	• 7	. 4	• 3							3.5	7.0
W	9-1	2.2	2.0	• 5		• 4	. 4		<u> </u>			0.2	10.2
WNW	• 1	• 3	1.9	1.3	•1					L	L	4.4	9.7
NW		• 3	1.3	1.7	• 5	• 1					L	4.7	10.5
MMM	• 1	1.2	2.2	• 8	• 9	• 7	• 1					6.0	12.1
VARBL													
CALM	$\geq \leq$	$\times$	$\geq$	>>	>>	$\times$	$\times$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	7.4	
	3.5	23.7	24.5	27.0	8.9	4.2	• 9					105.0	9.5

TOTAL NUMBER OF OBSERVATIONS

744

TE AL CLIMATOLOLY BRANCH BELTAC AT EATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 +	SECTOR APT FARGO ND	73-80	1	DEC
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER	•	2100-2300
	<del></del>	CLASO		HOURS (L.S.T.)
			•	
		COMPLETION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	1.2	2.5	5.9	2.4	1.2						14.0	13.4
NNE	• 1	1.5	1.5	1.2								4.3	8.3
NE	• 1	• 7	• 5	• 3								1.6	7.0
ENE	• 3	1.6	• 5	. 4								2.3	6.6
ŧ	٦. ٢	1.2	• 8	• 3								2.6	6.7
ESE	• 1	<i>و</i>	• 3	• 3								1.6	6.6
SE	• 1	• 7	• 7	• 9								2.4	ۥ3
SSE	. 4	1.3	2.3	3.8	2.3	.8						10.9	13.3
\$	• 4	3.7	6.C	5.6	2.0	. 4				<u> </u>	ļ	10.4	11.0
ssw	• 3	1.3	1.7	• 7					L			4.0	7.4
sw	•	1.9	• 9	_ • 5	• 1							4.0	7.0
wsw	3	2.0	1.3	• 7	• 3							4.6	7.9
w	. 4	2 • 2	2.2		• 5	• 5						5.8	9.3
WNW	• 1	1.0	2.0	1.1	• 3	• 1						5.5	9.2
NW	• 3	• ?	• 9	1.9	. 8	• 3						5.1	12.2
NNW	• 5	1.1	•	1.9	2.0	• 5						0.5	3.5
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	> <	> <	$\boxtimes$	$\boxtimes$	$\geq \leq$	$\geq \leq$	5.9	
	4.7	23.4	25.0	26.3	10.5	3.9						170.0	16.5

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY SHANCH TAC EATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	HECTUP APT FARGO	NO 77-8	ر د	900
STATION	STATIO	MAME	YEARS	MONTH
		ALL MEATHER		ALL
		CLARG	<del></del>	HOURS (L.S.T.)
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• "	2.	3.4	5.2	2.8	1.2	• 1					14.7	13.3
NNE	• ?	1.	1.6	1.1	• ?	• 1						4	9.2
NE	• 2	• 7	. 6	• 3						I		1.7	7.1
ENE	• 2	• 5	.ε	• 3								2.2	6.0
£	•.?	• 6	1.1	• 3								2.1	7.€
ESE	• 2	•	• 4	•								ا د د	7.4
SE	• ?	1.0	1.0	1.2	• 2	•0	• C					3.6	9.3
SSE	• ,	1.3	1.0	4.2	2.5	• 7	• 1			<u> </u>		15.3	13.6
5	• 4	3 • 5	5.8	6.8	1.3	• 3						15.1	13.6
ssw	• ?	1.4	1.9	• 7	•0							4.2	7.8
SW	• ?	1.5	1.0	• 6	• 1							3.5	7.5
W\$W	• ^	1.3	1.1	• 5	• 1							3.2	7.6
w	• 3	1.7	2.0	. 9	• 3	• 2	• 1			<u> </u>		5.6	9.3
WNW	• 3	1.0	1.8	1.7	• 5	•2						5.3	10.7
NW	• 1	1.1	1.5	2.2	• 9	• 3	•3					6.2	12.1
NNW	• 2	• 3	1.8	2.5	1.3	• 7	• 1	•3				7.5	13.2
VARBL													
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	><	><	0 • 1	
	3.5	20.3	27.6	28.8	9.7	3.7	. 4	•				110.5	13.2

TOTAL NUMBER OF OBSERVATIONS

£952

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 /1-	HUSTOF ANT FARGO NO	73-81		ALL
STATION	STATION MAINE		YEARS	20175
		ALL WEATHER		ELL
	<del></del>	CLASS		HOURS (L.S.T.)
		COMPLTION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	- 3	2.	3.5	4.6	2.0	, ç	.1	.0				13.5	12.
NNE	• 2	1.1	1.5	1.3	• 3	.1	• 5					ن 4	Ŷ•
NE	-3	. 9	1.1	.6	• 1	•	• :					2.3	a .
ENE		1.0	• 8	• 3	• 0	.0	• 0					2.4	7.
E		1.1	1.1	.5	•1	• 7						3.0	۶.
ESE	.2	1.1	1.1	.7	• 1	• ^						3.2	5.
SE		1.2	2.0	2.1	. 4	•1	• 0					5 • 3	10.
SSE	.1	3	2.3	4.4	1.6	•5	• 0					14.3	13.
5	3	2.6	5.1	5.4	1.3	• 3	•0					15.1	13.
SSW	2	1.7	1.5	• 9	• 2		• 5					4.5	5.
55W 5W	• 2	1.2	1.1	•6	• 1	•0						3.2	8.
WSW	•2	5	1.2	•6	•1	• C	.0					3.3	
w	• 3	1.5	2.71	1.3	. 4	•1	•0	•0	1			5.7	9.
WNW	• 2	1.1	1.8	1.6	•6	•2	•1	.5				5.5	10.
NW	• ?	1.1	1.7	1.9	.8	• 3	• 0	• C				0.1	11.
NNW	- 2	1.1	1.9	2.5	1.1	.4	•1	. C		1		7.4	12.
VARBL							<del></del>				1		
CALM		$\overline{}$		>		>>	>	$\sim$	$\supset$			4.4	
	7.3	20.0	29.9	29.6	9.3	3.C	.4	.1				100.0	10.

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1" FOR APT FARGO 30 73-81 ALL

STATION STATION HAME TAXON HAME

1 NSTRUMENT ALL

CIG 780 TO 1400 FT W/ VS8Y 1/2 MI 05 MCPE,

AND /OR VSEY 1/2 TO 2-1/2 HT #/CIE 200 FT CP MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
	•	2.1	4.7	7.7	5.9	3.2	• 4	•0				23.7	14.9
NNE	• 1	• '-	2.5	2.2	• 9	• 3	•0					5.9	11.5
NE	• 2	• **	1.3	3.	• 2							2 • 3	ر ب
ENE	• 1	• •	• 3	• 7	• 1			I				2.5	5.7
E	• 1	• 6	1.6	1.1	• 2							3.5	9.5
ESE	· Ĭ	• 4	1.3	1.1	• 3	• 1						3.6	9.7
SE	• 1	1.2	2.2	2.3	• 5	• 1						U•3	13.5
SSE	• 1	•	2.0	4.3	1.9	• 5	• 6.					4.6	13.3
5	•	1.5	3.7	3.3	• 5	_ • ?						1.5	10.5
ssw	• 1	_ • 7	• 4	• 3	.0	• 1						1.5	8.1
SW	• 1	• 4	• 5	• 2	ت•	• 1						1.3	8.4
wsw	• 1	•	• 3	• 3	• G	_•€						1.3	€ • 5
w	• 1	• 7	• 3	1.0	• 2	• U	0					2.9	10.4
WNW	• 1	•	• 9	. 9	. 4	• 7	• 1	• 1				<b>∵•3</b>	12.
NW	• 1	• '	1.4	1.7	1.4	3.	• 1	• 0				6.3	14.2
NNW	• 3	• "	1.5	3.6	2.9	1 • 4	. 3	• 0				11.1	15.0
VARBL													
CALM		><	><	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	3.6	
	7.2	14.3	ر 5 و 2	31.5	15.4	6.7	1.1	.1				1~0.3	12.1

TOTAL NUMBER OF OBSERVATIONS 7199

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

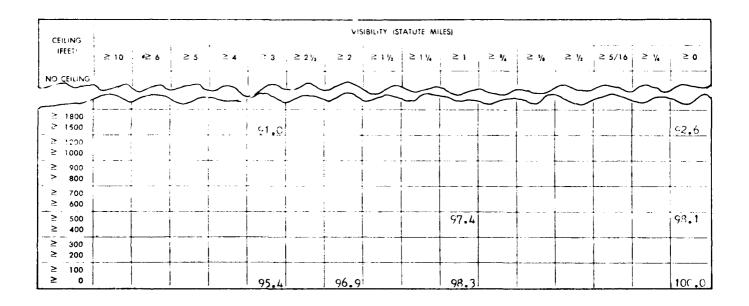
Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION



- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0,

< 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.</p>

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility > 1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

ing the six will all the time of

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## CEILING VERSUS VISIBILITY

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HICTOR APT FARGO NE

74-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0200

CEIL NG							٧١S	B L. TV ST	NTUTE MIL	E\$						
(FEE')	≥ :0	≥6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ %	≥יי∡	≥1	≥ %	≥ %	≥ /.	≥5/16	≥ ¼	<b>≥</b> ≎
NO CEILING	48.4	47.6	50.8	51.6	52.0	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.5	52.c	52.7	52.8
≥ 20000	50.7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.€	55.1	55.2
≥ 18000	JO • 7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ .9000	50.7	51.9	53.1	54.0	54.4	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ '4000	1.2	52.6	53.8	54.7	55.1	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.8	55.9
₹ .500¢	51.9	53.2	54.4	55.4	55.8	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.5	56.6
≥ :0000°	34.2	55.6	56.9	57.8	58.2	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.9	59.0
≥ 9000	:5.2	50.7	57.9	58.9	59.3	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	63.1
≥ 800C	56.3	57.8	59.	59.9	60.3	60.8	6D.8	60.8	60.5	60.9	60.9	60.9	60.9	60.9	51.0	61.2
≥ 7000	58.1	59.8	61.0	62.1	62.5	62.9	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.4
≥ 6000	58.7	60.8	62.5	63.7	64.1	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.1	65.2
≥ 5000	50.3	61.4	63.3	64.8	65.2	65.6	65.7	65.7	65.7	66.0	66.0	66.3	66.3	66.0	66.1	66.3
≥ 4500	ამ.2	62.9	64.8	66.4	66.9	67.3	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.9	68.0
≥ 4000	61.7	63.8	65.9	67.9	68.5	69.0	69.1	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.6	69.3
≥ 3500	61.6	64.5	66.7	68.8	69.5	69.9	70.0	70.0	70.0	70.4	70.4	70.4	70.4	73.4	73.6	73.7
≥ 3000	≎3.2	66.4	69.0	71.1	71.8	72.2	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	73.0	73.1
≥ 2500	55.6	69.5	72.6	74.9	75.5	75.9	76.5	76.5	76.5	76.9	76.9	76.9	76.9	76.9	77.2	77.3
≥ 2000	67.3	71.5	74.7	77.3	78.1	78.8	79.4	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.2	₹0.4
≥ 1800	68.1	72.4	75.9	78.6	79.4	80.4	81.3	81.3	81.3	81.7	81.9	81.9	61.9	81.9	52.1	E 2 . 3
≥ 1500	69.9	74.5	78.1	81.2	82.1	83.1	84.0	84.0	84.0	84.4	84.5	84.5	84.5	84.5	64.8	84.9
≥ 1200	71.5	76.6	83.4	83.7	84.8	85.8	86.8	86.8	86.8	87.4	87.5	87.5	37.5	87.5	87.8	87.9
≥ ,000	72.7	77.7	81.6	85.2	86.4	87.5	88.6	88.6	88.6	89.1	89.2	89.2	89.2	89.2	89.5	89.7
≥ 900	72.3	78.2	82.1	85.9	87.1	88.2	89.4	89.4	89.4	90.1	90.2	90.2	90.2	90.2	90.5	90.6
≥ 800	72.3	78.2	82.1	85.9	87.4	88.4	89.7	89.7	89.7	90.3	90.5	90.5	90.6	90.6	90.9	91.0
≥ 700	72.9	78.8	82.7	86.4	87.9	89.0	90.3	90.6	90.6	91.3	91.4	91.4	91.5	91.5	91.8	91.9
≥ 600	73.4	79.6	83.5	87.2	88.7	89.8	91.1	91.4	91.7	92.3	92.7	92.7	92.9	93.1	93.4	93.5
≥ 500	73.4	79.6	83.7	87.5	89.1	90.2	91.7	91.9	92.2	93.0	93.5	93.5	93.7	74.3	94.4	94.5
≥ 400	73.7	80.0	84.3	88.2	90.1	91.1	92.6	92.9	93.1	94.0	94.6	94.6	95.2	95.4	95.8	96.0
≥ 300	73.7	80.0	84.3	88.4	90.3	91.4	92.9	93.3	93.5	94.4	95.0	95.0	95.6	95.8	96.4	96.5
≥ 200	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.7	96.2	96.5	97.3	97.2
> 100	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.8	96.8	97.2	97.7	98.4
≥ 0	73.7	80.0	84.3	88.7	90.6	91.7	93.1	93.8	94.1	95.0	95.7	95.8	96.9	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

BLOFAL CLIMATOLOGY BRANCH USAFETAC ATE REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0503 HOURS (L.S.T.)

CEILNG				<u> </u>			viS	BLITY ST	ATUTE MILI	ES						
PEETS	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ; %:	≥1%	≥1	≥ %	≥%	≥ %	≥5/16	≥ %	≥c
NO CEILING	45.2	46.8	47.4	48.3	48.3	45.3	49.4	49.1	49.1	49.6	49.6	49.6	49.6	49.7	50.4	50.5
≥ 20000	47.6	49.2	49.9	50.8	50.8	50.8	50.9	6	51.6	52.2	52.2	52.2	52.2	52.3	53.7	53.1
≥ 18000	47.6	49.2	40.9	50.8	50.8	50.8	50.9	51.6	51.6	52.2	52.2	52.2	52.2	52.3	53.0	53.1
≥ '6000	47.6	49.2	49.9	57.8	50.8	50.8	50.9	51.5	51.6	52.2	52.2	52.2	52.2	52.3	53.0	
≥ 14000	48.7	5 7 . 3	50.9	51.9	51.9	51.9	52.0	52.7	52.7	53.2	53.2	53.2	53.2	53.4	54.0	54.2
≥ .5000	49.6	51.2	51.9	52.8	52.8	52.8	53.0	53.6		54.2	54.2	54.2	54.2	54.3	55.7	
2 10000	51.6	53.5	54.2	55.1	55.1	55.1	55.2	55.9	55.9	56.5	56.5	56.5	56.5	56.6	57.3	57.4
≥ 9000	_3 <b>.</b> .1	55.Q	55.6	56.6	55.6	56.6	56.7	57.4	57.4	57.9	57.9	57.9	57.9	58.1	55.7	50.9
≥ 8000	53.4	55.4	56.0	57.0	57.0	57.0	57.1	57.8	57 • B	58.3	5€.3	58.3	58.3	58.5	59.1	59.3
≥ 7996	55.4	57.8	58.5	59.4	59.4	59.5	59.7	60.3	60.3	60.9	60.9	60.9	60.9	61.0	61.7	61.3
≥ 6000	56.4	59.1	60.1	61.2	61.3	61.4	61.6	62.2	62.2	62.8	62.8	62.8	62.8	62.9	63.6	63.7
≥ 5000	53.2	60.6	62.1	63.2	63.3	63.4	63.6	64.2	64.2	64.8	64.8	64.8	64.8	64.9	65.6	65.7
≥ 4500	59.9	61.4	62.9	64.1	64.4	64.5	64.7	65.3	65.3	65.9	65.9	65.9	65.9	66.0	66.7	66.8
≥ 4000	59.7	62.5	64.	65.6	66.3	66.4	66.5	67.2	67.2	67.7	67.7	67.7	67.7	67.9		68.7
≥ 3500	6003	63.6	65.1	66.7	67.5	67.6	67.7	68.4	68.4	69.0	69.C	69.ũ	60.0	69.1	69.8	69.9
≥ 3000	62.8	65.9	67.3	69.1	69.9	70.0	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.8	72.4	72.6
2 2500	64.5	68.3	69.9	72.3	73.3	73.4	73.7	74.3	74.3	75.D	75.0	75.0	75.0	75.1	75.8	75.9
≥ 2000	67.5	71.8	73.5	75.9	77.2	77.3	77.7	78.4	78.4	79.0	79.3	79.3	79.3	79.2	79.8	50°C
≥ 1800	68.0	72.7	74.5	77.0	78.4	78.5	79.2	79.8	79.8	80.5	80.5	80.5	8C.5	80.6	81.3	81.5
≥ 1500	60.8	74.5	76.3	79.6	80.9	81.0	81.7	82.4	82.4	83.2	83.2	83.2	83.2	83.3	84.0	94.1
≥ 1200	71.4	77.3	78.9	82.3	83.6	83.7	84.4	85.1	85.1	85.9	85.9	85.9	85.9	86.3	86.7	86.8
≥ .000	72.4	78.1	80.1	83.5	85.1	85.6	86.4	87.2	87.2	88.0	88.0	88.D	88.0	88.2	88.8	89.0
≥ 90¢	72.7	78.4	80.4	83.7	85.3	86.0	87.D	88.0	88.D	88.8	88.8	88.8	88.8	89.0	89.7	89.8
≥ 800	73.0	73.9	80.9	84.3	85.9	86.7	87.6	88.7	88.7	89.5	89.5	89.5	89.5	89.7	90.3	90.5
≥ 700	73.1	79.2	81.2	84.7	86.3	87.2	88.2	89.2	89.2	90.3	90.3	90.3	90.3	90.5	91.1	91.3
≥ 600	73.9	83.2	82.3	85.8	87.4	88.3	89.2	90.3	90.3	91.4	91.4	91.4	91.4	91.5	92.2	92.3
≥ 500	74.3	80.8	82.9	86.4	88.0	89.1	90.1	91.1	91.1	92.2	92.5	92.5	92.5	92.7	93.7	93.3
≥ 400	74.3	80.8	82.9	86.6	88.2	89.2	90.2	91.3	91.3	92.5	92.7	92.7	93.3	93.5	94.8	95.C
≥ 300	74.5	81.2	83.3	87.2	89.1	90.2	91.3	92.3	92.3	93.7	94.2	94.2	94.8	95.2	96.5	96.8
≥ 200	74.5	81.2	83.3	87.2	89.1	90.2	91.5	92.6	92.6	94.2	95.2	95.2	96.1	96.5	98.0	98.3
> 100	74.5	81.2	83.3	87.2	89.1	90.2	91.5	92.6	92.6	94.2	95.2	95.2	96.6	97.0	98.7	99.1
2 0	74.6	81.3	83.5	87.4	89.2	,		92.7	92.7	94.4	95.3		96.8	97.2	98.8	100.0
ــــــــــــــــــــــــــــــــــــــ			تنتب	تتنتا	لتنسنب	لننسب		لنحتما		لــــــــــا			<b></b>			

TOTAL NUMBER OF OBSERVATIONS \_\_\_

LLOCAL CLIMATOLOGY CHANCH CONTETAC AT REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

YEARS

1 -14 HECTOP ART FARGO NO

74-81

JAS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

						_										
CEUNG .							٧١S	B.L.TY ST	ATUTE MIL	ES		,				
(*66.)	≥10	≥6	≥5	≥ 4	≥ 3	≥3%	≥ 2	≥⊹⊁	≥1%	≥1	≥ ¾	≥ %	≥ ٧:	≥5/16	≥ %	≥0
NO CEIUNG ≥ 20000	41.0	45.0	46.4	47.0	47.2			4	48.7		49.1	49.1		49.4	49.5	
	43.2		48.2			49.1				50.6		50.9	$\overline{}$	51.1		51.3
≥ 18000	43.5		43.6		- 1	49.5				51.0	-	51.3		51.5		
ļ	43.5				49.4		50.5		50.9			51.3		51.5	51.7	
≥ 14000	44.4				58.3		51.4			52.0		52.2				
≥ 2000	45.9									53.4		53.7				
≥ 10000	46.7		52.1	52.6	53.0	53.2				54.6	55.€	55.0		55.3		
≥ 9000	47.4	51.1		53.8						55.9						56.7
≥ 8000	46.3	52.2	54.4	54.9	55.3		56 • 4			56.9	57.3		57.3	57.6		1
≥ 7000	49.9	53.8	56.0	56.5	56.9	57.1	58.1	58.7	58.7	58.8	59.2	59.2	59.2	59.5	59.6	59.6
≥ 6000	51.7	56.1	59.4	59.2	59.6	59.8	60.8	61.4	61.4	61.6	62.0	62.0	62.0	62.3	62.4	62.4
≥ 5000	53.2	57.7	67.4	61.4	61.8	61.9	63.0	63.7	63.7	63.9	64.3	64.3	64.3	64.6	64.7	64.7
≥ 4500	53.8	58.4	61.1	62.0	62.4	62.6	63.7	64.3	64.3	64.6	65.C	65.0	65.0	65.3	65.4	65.4
≥ 4000	55.5	60.3	63.4	64.3	64.9	65.0	66.4	67.0	67.0	67.3	67.7	67.7	67.7	68.J	68.1	68.1
≥ 3500	56.1	61.1	64.2	65.1	65.9	66.1	67.4	68.1	68.1	68.4	69.8	68.8	68.8	69.0	69.2	69.2
≥ 3000	58.5	63.8	67.3	68.6	69.9	73.0	71.3	72.1	72.1	72.4	72.8	72.8	72.8	73.1	73.2	73.2
≥ 2500	60.6	66.4	70.4	72.0	73.2	73.5	75.0	75.8	75.8	76.0	76.4	76.4	76.4	76.7	76.9	76.9
≥ 2000	62.6	68.6	72.9	74.7	75.9	76.2	77.7	78.5	78.5	78.7	79.1	79.1	79.1	79.4	79.5	79.5
≥ 1800	63.3	69.3	73.6	75.5	76.9	77.1	78.6				80.1	80.1	80.1	80.3	8C.5	80.5
≥ +500	64.7	71.1	75.4	77.8	79.3		81.2		1	82.2	82.6	82.6	82.6	82.9	83.5	83.0
≥ 1200	66.3		77.9									85.9	85.9	86.1	86.3	86.4
≥ ,000	L	74.8	79.3	82.4		84.5		86.9				88.2	89.4		89.0	89.1
≥ 900	68.0	75.2	79.8		84.7	85.1			88.0			89.4	_		90.2	90.3
≥ 800	66.4	75.8	80.3	83.6						89.9	90.3	90.3	90.7	91.1		91.4
≥ 700	66.6		80.8		86.3				89.9	_					92.2	92.3
≥ 600		76.9				87.3				91.5					–	93.7
≥ 500	69.9		82.4		88.0					93.0					95.3	
≥ 400		77.7	82.4							93.0					96.0	
≥ 300	69.9		82.8				90.8		92.6		94.3	94.3				97.2
≥ 200		77.9	82.8		,				A	93.7	94.3	94.5		_		
ļ		77.9								93.7			96.2			99.1
≥ ¹00 ≥ 0		77.9								93.7				97.4		100.0
<u> </u>	0,07	,,,,,	34.69	00.3	30.0	37.9	,,,,	,2.0	/2.0		/ 4 8 3	/ 4 0 3	,000	,,,,,	/5.4	

TOTAL NUMBER OF OBSERVATIONS \_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Commit

CLEBAL CLIMATOLOGY BRANCH LEAFETAC AIR LEATHER SERVICEZMAC

### CEILING VERSUS VISIBILITY

1 14

HECTUR APT FARGO NO

74-81

/AL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1105

VISIBILITY STATUTE MILES ≥ % ≥2% ≥5/16 ≥ :0 ≥ہ ≥ % ≥1% ≥ ∻ 40.5 49.5 NO CEILING 41.3 44.5 45.8 46.6 47.0 47.4 47.7 47.8 47.8 48.4 48.7 48.7 40.2 49.2 49.3 50.7 51.6 52.2 52.7 53.0 53.1 53.1 53.6 53.9 53.9 55.0 55.0 55.2 55.2 50.0 51.3 52.3 52.8 53.4 53.6 53.8 53.8 54.3 54.6 54.6 55.6 55.6 55.9 55.9 55.9 50.0 51.3 52.3 52.8 53.4 53.6 53.8 53.8 54.3 54.6 54.6 55.6 55.6 55.9 55.9 55.9 50.3 51.6 52.6 53.1 53.6 53.9 54.0 54.0 54.6 54.8 55.9 55.9 56.2 56.2 51.3 52.7 53.6 54.2 54.7 55.7 55.1 55.1 55.8 56.2 56.2 57.3 57.3 57.5 57.5 > 18000 ≥ .9000 ≥ 14000 ≥ '2000 53.2 54.7 55.9 56.5 57.0 57.3 57.5 57.5 58.3 58.7 58.7 59.8 59.8 60.1 60.1 20000' ≤ ≥ 900C 55.2 57.0 58.2 58.7 59.4 59.7 59.9 59.9 60.8 61.2 61.2 62.2 62.2 62.5 62.5 49.9 56.2 58.1 59.3 59.9 60.6 60.9 61.2 61.2 62.4 62.8 62.8 63.8 63.8 64.1 64.1 51.1 57.5 59.4 60.6 61.4 62.1 62.4 62.6 62.6 64.1 64.5 64.5 65.6 65.6 65.9 65.9 53.1 59.7 61.6 62.9 63.7 64.4 64.7 64.9 64.9 66.4 66.8 66.8 67.9 67.9 67.9 68.1 66.1 53.9 60.8 62.8 64.2 65.2 65.9 66.1 66.4 66.4 67.9 68.4 68.4 69.5 69.5 69.8 69.8 64.2 65.9 65.9 66.1 66.4 66.4 67.9 68.4 68.4 69.5 69.5 69.8 69.8 64.4 64.9 65.9 65.9 66.5 66.9 67.2 67.2 68.8 69.4 69.4 70.6 70.6 70.3 70.9 ≥ 8000 > 7000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 63.3 65.9 67.3 68.3 69.0 69.5 69.8 69.8 71.4 71.9 71.9 73.1 73.1 73.4 73.4 73.4 63.4 66.0 67.5 68.7 69.5 70.2 70.4 70.4 70.4 72.0 72.6 72.6 73.8 73.8 74.1 74.1 64.9 67.7 69.2 70.4 71.4 72.0 72.3 72.3 74.1 74.6 74.6 75.8 75.8 75.8 76.1 76.1 66.0 68.8 70.6 71.8 72.8 73.7 74.1 74.1 75.8 76.3 76.3 77.6 77.6 77.6 77.8 67.5 70.4 72.3 73.5 74.7 75.8 76.5 76.5 78.2 78.8 78.8 80.0 50.0 50.0 50.2 50.2 56.7 3500 ≥ 3500 ≥ 3000 2500 2 2000 59.5 67.9 70.8 72.8 74.2 75.4 76.5 77.2 77.2 76.9 79.4 79.4 80.6 80.6 80.9 C.9 60.5 69.2 72.2 74.2 75.7 76.9 78.2 78.9 78.9 80.6 81.2 81.2 82.4 82.4 82.7 82.7 2 1800 71.4 74.5 76.7 78.2 79.6 81.3 82.0 82.0 83.9 84.4 84.4 65.6 85.6 65.9 85.9 72.6 76.1 78.6 8.1 81.6 83.6 84.8 84.8 86.7 87.4 87.4 88.6 88.6 99.7 89.0 73.4 76.9 79.6 81.2 82.7 84.9 86.2 86.2 88.4 89.2 89.2 90.5 90.5 90.9 73.4 76.9 79.6 81.3 82.9 85.2 86.4 86.4 89.0 89.6 91.0 91.0 91.0 91.4 91.4 91.4 73.7 77.4 80.1 82.0 83.7 86.4 87.8 67.8 90.5 91.3 91.3 92.6 92.6 93.0 93.0 73.9 77.8 80.8 83.1 84.8 87.5 89.0 89.0 91.8 92.6 92.6 94.1 94.1 94.6 94.6 94.6 74.1 78.0 80.9 83.5 85.2 87.9 89.4 89.4 92.2 93.1 93.1 94.6 94.6 95.4 95.4 74.2 78.2 81.2 84.0 85.8 88.4 89.9 89.9 92.7 93.7 93.7 95.2 95.3 96.1 96.1 62.1 > 1200 ,000 62.9 800 62.3 2 62.9 62.9 500 400 63.0 78.4 81.3 84.3 86.2 89.0 90.6 90.6 93.7 94.6 94.6 96.2 96.4 97.3 97.4 98.4 81.3 84.3 86.2 89.0 90.6 90.6 93.7 94.9 95.2 97.0 97.4 98.5 98.9 78.4 81.3 84.3 86.2 89.0 90.6 90.6 93.7 94.9 95.2 97.0 97.6 98.8 99.5 78.4 81.3 84.3 86.2 89.0 90.6 90.6 93.7 94.9 95.2 97.0 97.6 98.8 00.0 74.3 300 74.3 > 200 63.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 744

LESS AL CLIMATOLOGY BRANCH TARETAC FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1-514

HECTOR APT FARGO NO

74-81

JAN.

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1405 Hours (L.S.T.)

CEILING			-				v:S	18-L TY ST	ATUTE MILI	ES						
(PEET)	≥ : C	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	<b>≥</b> ∶%	≥1%	≥1	≥ ¼	≥%	≥ ٧:	≥ 5/16	≥ '4	≥0
DAILIED CH	46.1	48.9	50.4	51.5	51.9	52.2	52.7	53.0	53.0	53.1	53.1	53.2	53.4	53.5	53.5	53.5
≥ 20000	48.3	53.8	55.4	56.5	57.1	57.4	57.9	58.2	58.3	58.6	59.3	59.4	59.7	60.2	62.5	60.2
≥ 18000	45.8	53.9	55.5	56.6	57.3		58.1	58.3	58.5	58.7	59.4	59.5	59.8	60.3	60.3	60.3
> ,9000	48.8	53.9	55.5					58.3	58 • 5		59.4		59.8			60.3
≥ '4000	48.8	54.3	55.6	56.7	57.4	57.7	58.2	58.5	58.6	58.9	59.5	59.7	59.9	60.5	60 • 5	60.5
5 ,300€	49.9	55.5		58.2	58.9	-	59.7		60.1	60.3	61.0		61 • 4	62.0		
≥ 10000	<b>~1.3</b>	57.3	5°•0	60.1	60.9	61.2	61.7	62.0	62.1	62.4	63.3		63.4	64.0	64.0	64.0
≥ 9000	51.9	57.9		60.8	61.6		62.4			63.2	63.8	64.0	64.2	64.3	64.8	64.6
≥ 8000	53 <b>.</b> 0	59.4	61.3	62.4	63.2		64.0		64.4	64.8	65.5		65.9	56.4	66.4	66 - 4
≥ 7000	53.6	60.1	62.0	63.0	63.8		64.7	64.9	65.1	65.5	66.1	66.3	66.5	67.1	67.1	67.1
≥ 6000	54 • 3	60.9	62.9	64 • 2	65.1	65.3	66.0	66.3	66.4	66.8	67.5	67.6	67.9	68.5	68.5	68.5
≥ 5000	54.3	61.6		65.2	66 - 1	66 - 4	67.1		67.5	67.9	68.5	68.7	69.0			69.6
≥ 4500	55 • 1	62.1	64.2	65.7	66.7	66.9	67.6	67.9	68.0	68.4	69.1	69.2	69.5	70.2	70.2	70.2
≥ 4000	56.7	64.1	66.3	67.7	68.7		69.6	69.9		70.4	71.4	71.5	71.8	72.4	72.4	72.4
≥ 3500	57.4	65.1	67.3	68.8	69.8		70.8	71.1	71.2	71.6	72.6	72.7	73.0	73.7	73.7	73.7
≥ 3000	58.5	66.3		70.3	71.2		72.4	72.7		73.3	74.2	74.3	74.6	75.3	75.3	75.3
≥ 2500	60.2	68.4	71.0	72.4	73.4	73.9	74.7		75.1	75.9	76.9	77.3	77.3	78.0	78∙0	78.0
≥ 2000	62.4	71.6	74.2	76.1	77.0				79.0	79.8	80.9	80.9	81.2	81.9	81.9	81.9
≥ 1800	62.4	71.9	74.5	76.3	77.4	78.1	79.0		79.4	80.2	81.2	81.3	81.6	82.3	62.3	82.3
≥ 1500	63.8	73.4	76.2	78.1	79.4	80.2	81.5		82.4	83.3	84.5	84.7	84.9	85.6	85.6	85.6
≥ 1200	64.8	75.0	78.0	80.2			84.1	85.2	85.5	86.4	87.6	97.8	88.0	88.7	88.7	88.7
≥ ,000	66.3	76.6	79.6	81.9			86.0	87.4	87.8	89.D		90.5		91.4	91.4	91.4
≥ 900	66.7	76.6	79.6	82.0	83.5	84.4	86 . 2	87.5	87.9	89.1	90.5	90.7	91.0	91.3	91.8	91.8
≥ 800	66.1	76.7	79.7	82.1	83.7	84.8	86.6			89.9	91.3		91.8	92.6	92.6	92.6
≥ 700	6 <b>6 - 1</b>	77.0	80.4	82.8	84.4	85.6	87.6			91.0	92.7	93.0	93.8	94.8	94.8	94.8
≥ 600	66.3	77.3	80.8	83.2	84.8		88.4					94.5		96.2		96.2
≥ 500	66.3	77.3	80.8		84.9		88.6	90.3		92.9	94.8	95.0	95.8	96.9	97.0	97.0
≥ 400	66.3	77.3	80.8		84.9		88.7	90.7	91.3		95.3	95.6	96.5	97.6	97.7	97.7
≥ 300	66.3	77.3	80.8	83.3	84.9		88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	98.7	98.7
≥ 200	66.3	77.3	80.8		84.9		88.7		91.3			96.1	97.3	98.5	98.7	98.9
≥ 100	66.3	77.3	80.8	83.3	84.9	'	88.7	90.7		93.7	95.8		97.3	98.5	98.8	99.2
≥ 0	66.3	77.3	80.8	83.3	84.9	86.4	88.7	90.7	91.3	93.7	95.8	96.1	97.3	98.5	78.8	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

744

SERVAL CLIMATOLOGY BRANCH FATETAC AT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO NU

74-81

JAN

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILNO			• •				V1\$	B. TY ST	ATUTE MILI	<b>E</b> S						
(FEET)	<b>5</b> .c	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ ⊦%:	≥1 1/4	≥1	≥ 4	≥ %	≥ V:	≥ 5/16	≥%	≥c
NO CEIUNG	44.5	47.	49.	48.9	49.3	49.4	49.7	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 50000	47.6	57.9	52.1	53.0	53.6	53.7	54.1	54.2	54.2	54.6	55.C	55.0	55.0	55.2	55.2	55.2
≥ +8000	47.3	51.1	52.4	53.3	53.8	54.0	54.4	54.5	54.5	54.9	55.3	55.3	55.3	55.5	55.5	55.5
≥ 6000	47.5	51.1	52.4	53.3	53.8	54.0	54.4	54.5	54.5	54.9	55.3	55.3	55.3	55.5	55.5	55.5
≥ 14000	44.2	51.7	52.9	53.8	54.4	54.5	54.9	55.0	55.0	55.5	55.9	55.9	55.9	56.0	56.7	50.3
≥ .500€	49.3	52.8	54.	54.9	55.5	55.6	56.3	56.1	56.1	56.5	56.9	56.9	56.9	57.1	57.1	57.1
> .ე000. ≤	50.6	54.4	55.7	57.1	57.7	58.0	58.5	58.7	58.7	59.1	59.5	59.5	59.5	59.5	59.5	59.6
≥ 9000	<u> </u>	55.D	56.4	57.7	58.5	58.8	59.4	59.5	59.5	59.9	60.3	<u>60.3</u>	60.3	60.4	60.4	60.4
≥ 8000	:2.2	56.4	57.7	59.1	59.9	60.2	60.7	60.8	60.8	61.4	61.8	61.8	61.8	61.9	61.9	61.9
≥ 7900	_5 <b>4 •</b> 🗓	58.4	59.8	61.1	61.9	62.2	62.9	63.0	63.D	63.5	63.9	63.9	63.9	64.1	64.1	64.1
≥ 6000	55.7	60.3	61.6	63.1	63.9	64.2	64.9	65.0	65.0	65.5	66.1	66.1	66.1	66.7	66.2	66.2
≥ 5000	57.2	61.9	63.5	65.0	65.9	66.2	67.0	67.2	67.2	67.7	68.2	68.2	68.2	68.4	68.4	€8.4
≥ 4500	57.6	62.6	64.3	65.8	66.8	67.0	68.0	68.1	68.1	68.6	69.2	69.2	69.2	69.3	69.3	69.3
≥ 400C	58.7	63.7	65.7	67.2	68.1	68.4	69.3	69.6	69.7	70.3	70.8	70.8	70.9	71.1	71.1	71.1
≥ 3500	59.5	64.7	66.8	68.2	69.2	69.4	70.4	70.7	70.8	71.3	71.9	71.9	72.0	72.1	72.1	72.1
≥ 3000	61.4	67.2	69.2	70.7	71.7	72.0	73.1	73.4	73.5	74.0	74.6	74.6	74.7	74.8	74.8	74.8
≥ 2500	63.3	69.3	71.7	73.4	74.7	75.0	76.0	76.3	76.4	77.4	77.9	77.9	78.1	78.2	78.2	78.2
≥ 2000	65.8	71.9	74.4	76.0	77.4	77.7	78.9	79.1	79.3	80.2	80.8	80.8	80.9	81.3	81.0	81.0
≥ 1800	66.8	73.1	75.6	77.3	78.6	78.9	80.2	80.5	80.6	81.6	82.1	82.1	82.2	82.4	52.4	82.4
≥ 1500	67.7	74.4	77.5	79.1	80.5	80.8	82.9	83.3	83.4	84.5	85.2	85.2	85.3	85.5	85.6	65.6
≥ 1200	68.5	75.5	79.3	81.2	82.5	83.0	85.6	86.0	86.1	87.6	88.6	88.6	88.7	8.69	89.0	89.C
≥ .000	69.4	76.9	80.6	82.6	84.3	84.8	87.3	87.8	88.0	89.9	91.0	91.0	91.1	91.3	91.4	91.4
≥ 900	69.7	77.8	81.5	83.6	85.2	85.7	88.4	89.1	89.4	91.3	92.3	92.3	92.7	92.9	93.0	93.0
≥ 800	70.3	78.6	82.4	84.5	86.4	87.1	89.9	90.6	90.8	93.3	94.3	94.3	94.8	95.0	95.2	95.2
≥ 700	70.5	79.9	82.6	84.8	86.7	87.3	90.3	91.1	91.5	94.2	95.6	95.6	96.0	96.2	96.4	96.4
≥ 600	70.9	1	83.0	85.3	87.2	87.9	90.8	91.7	92.1	94.8	96.1	96.1	96.6	96.9	97.0	97.0
≥ 500	70.9	79.3	83.0	85.3	87.2	87.9	90.B	91.8	92.2	95.0	96.4	96.4	97.0	97.3	97.4	97.4
≥ 400	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.3	96.6	96.6	97.3	97.6	97.7	97.7
≥ 300	70.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	96.9	96.9	97.6	97.8	98.3	98.
≥ 200	76.9	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	98.5
≥ 100	70.4	79.3	83.0	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	98.5
≥ 0	70.9	79.3	83.q	85.6	87.5	88.2	91.1	92.1	92.5	95.4	97.4	97.4	98.1	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

SELERAL CLIMATOLOGY BRANCH SEETAC ALL SEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14

125

HECTOP APT FARGO NO

74-81

JA'.

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2600 HOURS (L.S.T.)

CEILING							v15	BLTY STA	ATUTE MILI	ES						
IFEE"1	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ %	≥ %	≥ v:	≥ 5/16	≥ ′4	≥0
NO CEIUNG ≥ 20000	49.1	50.5 53.0	50.9 53.5	50.9 53.5	53.5	51.1 53.6	53.9			53.8		51.2 53.8	53.8		51.2 53.8	
≥ 18000 ≥ 16000	51.5	53.0 53.1	53.5 53.5	53.5 53.6		53.6 53.8	53.9			53.9	53.8	53.8			53.8	53.9
≥ 14000 ≥ 12000	51.0	53.5		54.0 54.8	54.0 54.8	54.2 55.J	55.1			55.1	54 • 3 55 • 1	54.3		54.3 55.1		55.1
≥ 10000 ≥ 9000	54.3	57.0		56.9 57.7	57.3 58.1	53.2			58.3	56.3		57.5 58.3	58.3	57.5 58.3		56.3
≥ 8000 ≥ 7000	56.3	58.2		58.9 62.2	59.3	59.4 62.9		59.5 63.0		63.0	59.5 63.5	59.5 63.0	59.5 63.0 65.5	59.5 63.0		53.0
≥ 6000 ≥ 5000	60.1 60.3	63.4		65.7	65.2 66.3	65.3	66.7			66.7	66.7	66.7				66.7
≥ 4500 ≥ 4000	61.3 62.8	66.5		66.9 68.8	69.4	67.6	69.8	69.8	67.9 69.8	69.8	69.8	69.8			69.8	69.8
≥ 3500 ≥ 3000	63.7 65.3	67.9 69.8	69.8 71.9		73.3	71.2 73.4 75.0	73.8	73.8	73.8 75.8	73.B	73.8		73.8	73.8 75.8	73.8	73.8
≥ 2500 ≥ 2000 > 1800	69.2	74.6	76.7			79.2 80.1	80.1	80.1	80.1 81.0	85.2	80.2 81.2	80.2		- 1	80.2 81.2	83.2 81.2
≥ 1500	70.3	77.2		81.2	82.7		84.0	84 . D	84.0	84.1	87.6	84.1	84.1	84.1	84.1	84.1
≥ 900	73.7	81.3		86.2	88.2	88.3	90.3	90.7	90.7	91.1		91.1	91.1	91.1	91.1	
≥ 800	74.7	82.8				89.8	91.9	92.3		92.9	1			93.1	93.1	
≥ 600	75.3 75.4	83.9	86.4	89.0	91.4	91.5	93.8	94.4	94.4	95.7	96.0	96.4	96.2			96.2
≥ 400	75.4 75.4	84.0		89.1	91.5	91.7	94.2		95.0	96.4	96.6	96.3	96.9		97.0	97.C
≥ 200	75.4 75.4	84.0	86.6	89.2	91.7	91.8	94.6	95.7	95.8	97.2		98.0	98.1	98.3	98.4	
≥ 0	75.4	84.0	86.6		_1	91.8	94.6	95.7	95.8	97.2	97.8	98.0	98.1	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

744

CL MAL CLIMATOLOGY BRANCH PAFETAC AI - REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO ND

74-81

JAN

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2306 Hours (c.s.t.)

CEILNG							VIS	BLTY ST	ATUTE MIL	ES	-	•				
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ⋅ ½	≥1%	≥1	≥ ¼	≥ %	≥ "	≥ 5/16	≥ 4	≥0
NO CEILING	48.9	57.8	51.3	51.6	51.9	52.2	52.4	52.6	52.6	52.6	52.€	52.6	52.6	52.6	52.6	52.6
≥ 20000	1.1	53.0	53.6	53.9	54.2	54.4	54.7	54.8	54.5	54.8	54.9	54.8	54.8	54.8	54.8	54.3
≥ 18000	71.1	53.€	53.6	53.9	54.2	54.4	54 . 7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.3
> .900€	51.2	53.1	_53•੪	54.0	54.3	54.6	54.8	55.ü	55 · C	55.0	55.0	55.0	55.9	55.J	55 • C	55.0
≥ '4000	2.2	54.0	54.7	່55 • ພ	55.2	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
₹ .500€	53.5	55.6	56.3	56.6	56.9	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
9000: ≤	<b>5.6</b>	57.5	58.3	58.7	59.0	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	55.9	57.9	58.7	59.1	59.4	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	63.1	50.1	€0.1
≥ 8000	56.7	58.7	59.5	59.9	60.2	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	63.9	60.9
≥ 7000	57.4	59.7	63.6	61.0	61.3	61.6	61.8	62.0	62.0	62.0	62.€	62.3	62.0	62.3	62.0	62.0
≥ 6000	5 n • 1	61.4	62.4	62.9	63.2	63.4	63.7	63.8	63.8	63.8	63.	63.9	63.8	63.8	ნ3.8	63.8
≥ 5000	58.6	62.6	63.7	64.5	64.8	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	5 ç • 4	63.7	64.8	65.7	56 . D	66.3	66 • 5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	£0.2	64.7	65.9	66.8	67.2	67.5	67.9	68.0	68.0	68.0	68.D	68.0	68.C	68.0	68.3	68.0
≥ 3500	61.2	65.7	66.9	67.9	68.4	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3000	53.6	68.3	69.9	71.0	71.5	71.8	72.2	72.3	72.3	72.3	72.3	72.3		72.3	72.3	72.3
≥ 2500	55.3	70.8	72.7	73.9	74.7	75.D	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	67.6	73.4		77.0	77.8			78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	68.4	74.5	76.5	78.2	79.0	79.3		80.1	80.1	80.1	80.1	80.1	80.1	80.1	8C.1	80.1
≥ 1500	70.4	77.4	79.8	82.0	83.1	83.3	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	<b>64.1</b>	84.1
≥ 1200	71.9	79.3	81.9	84.3	85.5	€6.2	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	37.0	87.0
≥ ,000	73.3	8 . 8	83.6	86.4	87.9	88.6	89.2	89.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.9
≥ 900	73.8	81.5	84.3	87.1	89.0			91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	73.8	81.9	84.7	87.5	89.5	90.3	91.1	91.8	91.8	92.1	92.2	92.2			92.2	92.2
≥ 700	74 • 1	82.5	85.3	88.2	90.3						93.0		93.0			93.0
≥ 600	74.1	82.5	85.3	88.2			92.1		92.9	93.3	93.5	93.5			93.7	93.7
≥ 500	74 . 3	82.8	85.6	88.6	91.1		92.9	94.1	94.1	94.8	95.4	95.4	95.7	95.7	95.7	95.7
≥ 400	74.5	83.1		88.8			93.1	94.5		95.2	95.8	95.8		96.1	96.1	96.1
≥ 300	74.5	83.1	85.9	89.2	91.9		93.7	95.D	95.0	95.7	96.5	96.5	96.8	96.8	96.8	96.8
≥ 200	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.0	97.2	97.3	97.3
≥ 100	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.0	97.3	97.8	98.4
≥ 0	74.5	83.1	85.9	89.2	92.1	92.9	93.8	95.3	95.3	96.0	96.8	96.8	97.2	97.7	98.4	150.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

CERTAL CLIMATOLOGY BRANCH CATELLAC AT CEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 114

HECTUR APT FARGO NO

4-81

JAN

STATION

N NAME

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ONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CE4 NO							+1\$	B . ** ST	ATUTE MILI	ES						
(FEET)	<b>₹</b> .c	≥6	≥5	≥ 4	≥3	≥2%	≥ ;	≥ %	≥1%	≥ '	≥ 4	≥ %	≥ ٧.	≥ 5/16	≥ 4	≥0
NO CEIUNG ≥ 20000	4 . 6	-		49.5	1	50.0	50.4		50.1	50.8	50.9	50.9	>1 ∙ ∄	51.3	51.2	
	45.1	50.9		52.8				53.9	53.	·•2	54.4	54.4	54.5			
≥ 18000	40.0	51.1	52.2	52.9		53.5	53.8	54 - 1	54.1	- 4 - 3	54.5	54.6	54.7	54.9	55.0	
<u> </u>	46.3	51.1	52.3	53.0			53.9		54.1	54.4	54.6	54.6	54.5			
≥ '4000	4 ~ • 8	51.8	52•°	53.6		54.2	54.5		54.7	55.0		55.2	55.4	55.5	55.7	55.7
	40.0	52.9		54.7			55.6			56.2	56.4	56.4	56.6			56.9
≥ 10000	01.5	54.7	56.	56 • 8		57.5	57.8		58.1	58.4	58.6	58.6	58.8	58.9	59.1	59.1
L	52.3	55.7	57.0		58.3			59.2	59.2	59.5			59.0			16.2
≥ 8000	53.3	56.8		58.9		59.7	67.0		60 • ₹	60.6		60.9	61.1	61.2	61.3	
≥ 7900	54.7	58.5		60.8				62.2		62.6			63.0			
≥ 6000	56 • 1	60.2		62.7			64.0		64.2	64.7		64.9	65.1	65.3	65.4	£5•4
≥ 5000	56.3	61.3	<del></del>	64.3				65.8					66.7	$\overline{}$		
≥ 4500	57.0	62.2	64.0	65.2			66.6		66.9	67.3			67.8	67.9	69.1	68.1
≥ 4000	58.8	63.6	65.6	67.0				68.8					69.8			70.2
≥ 3500	59.5	64.5	66.6	67.9	68.8		69.6				70.7		71.0	71.1	71.3	71.3
≥ 3000	1 • 3	66.6	68.9	70.3	71.2	71.5	72.2				73.3	73.3	73.5	73.7	73.9	73.9
≥ 2500	62.7	68.7	71.3	72.9	73.9	74.3	75 • 1	75.4	75.4	76.1	76.4	76.4	76.6	76.7	76.9	76.9
≥ 2000	€5 €2	71.4	74.1	75.9	77.0	77.4	78.4	78.7	78.8	79.4	79.7	79.1	79.9	80.1	60.2	FU - 3
≥ '800	<b>55</b> • 8	72.1	74.9	76.8	78.C	78.5	79.5	79.8	79.9	80.5	80.B	83.3	81.0	81.2	31.3	61.4
≥ 1500	67.1	73.9	76.9	79.1	80.5	81.0	82.2	82.6	82.7	83.3	83.7	83.7	83.9	84.1	84.3	84.3
≥ 1200	68.6	75.9	79.0	81.6	83.0	83.6	85.1	85.6	85.6	86.4	86.8	86.8	87.0	87.2	67.4	67.4
≥ .000	67.6	77.3	80.6	83.3	84.9	85.6	87.2	87.9	87.9	88.9	89.4	89.4	80.6	89.8	90.0	90.1
≥ 900	60.9	77.9	81.1	84.0	85.6	86.4	88.1	88.9	89.0	90.0	90.5	90.5	90.8	91.0	91.2	91.2
≥ 800	70.2	78.3	81.5	84.4	86.2	87.0	88.7	89.5	89.6	90.9	91.4	91.4	91.7	91.9	92.1	92.2
≥ 700	70.4	78.7	82.1	85.0	86.9	87.7	89.6	90.5	90.6	91.9	92.5	92.6	93.0	93.2	93.4	93.4
≥ 600	70.7	79.2	82.6	95.5	87.5	88.4	90.3	91.3	91.4	92.9	93.6	93.6	94.1	94.4	94.6	94.7
≥ 500	70.9	79.4	82.9	85.9						93.6	94.4	94.5	95.0	95.3	95.7	95.8
≥ 400	71.7	79.5		86.1		1				94.1	94.9	94.9	95.6	96.0	96.4	96.5
≥ 300	71.	79.6		86.3			91.5			94.7			96.4	96.0	97.3	97.4
≥ 200	71.d			86.4		1				94.9					98.0	1
> 100	71.0			86.4						94.9				97.7	98.4	
2 0	71.d		83.1			89.5							97.2			
		,,,,	<u> </u>	7087	30.0	3,83	,,,,,	7.5.07	7.5.4	7 7 9 7	7010		/ 1 4 2	· • • 7	/000	P . U

TOTAL NUMBER OF OBSERVATIONS

5957

SELIAL CLIMATOLOGY RRANCH USSECTAC AIS SEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14

HECTOR APT FARGO NO

STATION NAME

74-81

E E :

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
,037-0200
HOURS (L.S.T.)

CEIL NG							¥15	BLTY STA	ATUTE MILI	ES						
(PEET)	≥ .c	≥6	≥5	≥ 4	<b>≥</b> 3	≥ 2 %	≥ 2	≥ . ½	21%	í,	≥ 4	≥ %	≥ ″	≥ 5/16	2.4	≥ :
NO FERING ≥ 20000	4.6.4	5 . 7		51.5				1.5 53.8					51.5 53.3		21.5 23.6	51.0 54.3
≥ 18000	ამ•6 30•7	53.1 53.2	53.8 54.3	53.8								54.0		54.0	54.0	54.4
≥ 6000	50 • 7	53.2		54.0				54.5			1	54.0			54.0	5,4,4
≥ '4000	1.1	53.5		54.3				54.3	54.3		$\overline{}$	54.3		54.3	54.3	
₹ .3000	2.5	55.5	1	56.2		56.2		56.2				56.2	56.2	56.2	50.2	55.5
≥ 10000	4.1	57.4		58.3		55.3	58.3	58.3	59.3	58.3	58.3	58.3			3F • 3	55.7
≥ 9000	25.5	58.7	59.9	60.0	60.0	60.0	65 <u>.</u> 8	€0.0	<b>60∙</b> 0	60.0	60.0	60.0	60.0	6000	0.5.0	6 U • S
≥ 800C	56.4	59.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	01.52	61.7
≥ 7000	5A • 1	61.8	63.0	63.1	63.1	63.1	53.1		63.1	63.1		63.1		63.1	£3.1	63.4
≥ 6000	50.4	63.4	•	64.7				64.7	64.7	-		64.7		64.7	54.7	65.2
≥ 5000	50 <b>.</b> 5	64.6			66.7							66.7				
≥ 4500	∙ા•ધ		1	67.1		67.6			67.4			67.6		57.6	57.6	58.0
≥ 4000	52.7	67.7			70.5				_			73.6		70.5		71.1
≥ 3500 ≥ 3000	63.9	69.3						1	72.6			72.6			72.6	73.0
	66.4		74.2													77.5
≥ 2500 ≥ 2000	69.0	75.7			79.8						80.2	80.2		80.2	50.2	° 0 • 7
	70.6				82.4							83.2				3.0€
≥ 1800 ≥ 1500	71.2	78.5			83.2			84.2	84.2		54.2	84.2		84.2 P6.3	54.2	86.7
	71.8	80.2		85.7	85.3 87.0						86.3			88.6	68.6	99.1
≥ 1200 ≥ 000	73.7	82.6			89.2	-				91.6		91.7			91.7	
≥ 900	73.9	82.7			89.8				91.9			92.5		92.5	92.5	92.9
≥ 800	74.	83.0			93.4							93.7			93.7	
≥ 700	74.2				90.9		92.8		93.7		94.5	94.5			94.5	75 · C
≥ 600	74.6	83.6			91.7				94.5		95.4				95.4	95.7
≥ 500	74.8	84.1		90.3		92.8			96.0			96.9			77.3	97.8
≥ 400	74.8	84.1			92.8			96.6	96.6	97.1	97.5	97.5	97.9	97.9	97.3	98.4
≥ 300	74.8	84.1	87.0	90.7	93.5	94.1	96.3	97.3	97.3	97.9	98.5	98.5	99.0	99.3	99.0	99.4
2 200	74.8	84.1	87.d	90.7	93.5		96.3	97.3	97.3	97.9	98.5	98.5	99.0	99.0	99.0	99.6
> 100	74.8	84.2	87.2	91.0	93.8	94.4			97.6			98.5				100.0
≥ 0	74.8	84.2	87.2	91 • U	93.9	94.4	96.6	97.6	97.6	98.2	98.6	98.8	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_6

L. AL CLIMATOLOLY RRANCH STAC ATH SERVICE/MAC

## CEILING VERSUS VISIBILITY

1-114

HECTOR APT FARGO NO

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

MONTH 300-<u>350</u>0

HOURS (L.S.T.) (FROM HOURLY OBSERVATIONS)

CEILNO							• (S	B . '+ ST	ATUTE MIL	ES.						
(FEET)	3: ₹	≥6	≥ 5	≥ 4	≥ 3	¥2≤	2;	≥ . У:	≥1%	≥,	≥ 4	≥ %	<u>&gt;</u> v	≥5/-6	2 4	2.€
NO CERUNG	44.	47.2	47.3	47.5	47.5	47.5	47.6	47.8	47.8	47.8	47.8	47.3	47.8	47.8	47.8	47. Ú
≥ 20000	47.5	5:4	50.9	51.0	51.0	51.0	_5 <u>1.</u> 2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	5 1 1 خ	51.3
≥ 18000	47.9	56	51.6	51.2	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 16790	47.8	50.6	51.	51.2	51.2	51.2	_51 <u>.</u> 3		51.5	51.5	<u>51.5</u>	51.5	51.5	51.5	51.5	51.5
≥ 14000	42.8	51.6		52.2	52.2	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
₹ .5000	49.5	52.5		53.1			53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 1000€	1.5	54.6	55.2	55.3		55.3	55.5	55.8	55 • A	55.8	55.5	55 • ♂	55.8	55.8	55.9	55
≥ 9000	ે 3 • ૬	56.6		57.5		57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.3	58.€3	58.0	ະສຸດ
≥ 800C	J4 • 3	57.1	57.7	58.0	58.0	58.0	58.1	F8.4	58.4	58.4	58.4	58.4	58.4	58.4	50.4	58.4
≥ 7000	56.6	60 • 2	60.9	61.4		61.4	61.5	61.8	61.8	61.8	61.5	61.8	61.8	61.8	61.8	61.8
≥ 6000	5.2	61.9	62.7	63.1	63.1	63.1	63.3	63.6	63.6	63.6	03.6	63.6	63.6	63.6	03.6	53.6
≥ 5000	59.1	63.3	64.2	64.7	64.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	±^`•0	64.5	65.3	65.9	65.9	65.9	66.4	66.7	66.7	66.7	66.7	66.7	65.7	66.7	66.7	56.7
± 4000	61.3	67.1	68.	68.7	68.9	69.2	69.5	70.1	70 • 1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 350C	62.3	68.3	69.2	69.9	77.1	70.4	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	54.2	70.5	71.5	72.3	72.4	72.7	73.3	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 2500	67.6	74.5	75.7	76.7	76.8	77.3	77.9	78.2	78.2	78.2	78.2	78.2	76.3	78.	73.3	78.3
≥ 2000	69.6	76.7	78.0	79.2	79.4	79.9	81.0	81.4	81.4	81.6	81.6	81.5	81.7	81.7	81.7	81.7
≥ '8000	69.9	77.1	73.6	79.8	79.9	83.5	81.6	82.0	82.0	82.2	52.2	92.2	82.3	92.3	52.3	62.3
≥ 1500	<u>70 • ₽</u>	78.5	80.2	81.4	81.7			84.5	84.5	84.7	84.7	84.7	84.8	84.6	34.8	84.8
≥ 1200	71.4	79.6	81.6	83.2	83.5	84.2	85.7	86.3	86.4	86.7	86.9	86.9	87.0	67.u	67.0	57.C
≥ .000	<u> 71.5</u>	81.2	82.6	د . 35	85.4	86.1	88.3	89.1	89.2	89.5	90.0	90.0	90.6	90.6	90.6	93.5
≥ 900	71.9	81.1	83.5	86.1	86.7	87.5	89.7	90.4	90.6	90.9	91.3	91.3	91.9	91.9	91.9	91.9
≥ 800	72.6	91.9	84.2	87.0	87.8	88.5	90.9	91.7	91.9	92.2		92.6	93.2	93.2	₹3.2	93.2
2 700	72.6	82.0	84.4	87.3	88.6	89.4	91.9	92.8	92.9	93.2	93.7	93.7	94.7	94.7	94.7	94.7
≥ 600	72.6	82.3	84.7	87.8	89.1	89.8	92.3	93.2	93.4	93.7		94.1	95.1	95.1	95.1	95.1
≥ 500	72.6	82.6	85.0	88.2		90.3			94.1	94.4	94.8	94.8	95.9	95.9	95.9	95.9
≥ 400	12.7	82.7	85.5	88.8	93.1	90.9	93.5	94.4	94.7	95.0	95.4	95.4	96.5	96.5	97.1	97.1
≥ 300	72.7	82.7	85.5	88.9	90.3	91.3	94.0	94.8	95.1	95.6	96.2	96.2	97.2	97.2	98.1	98.4
≥ 200	72.7	82.7	85.5	88.9	90.3	91.4	94.1	95.4	95.7	96.2	96.8	96.8	97.9	97.9	99.3	99.6
: 100	72.9	82.9	85.7	89.1		91.6				96.3	96.9	96.9	98.2	98.2	99.6	99.9
≠ 0	72.7	82.9	85.7	89.1	97.4	91.6	94.2	95.6	95.9	96.3	96.9	96.9	98.2		99.5	100.0
			1				_								. •	- 1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

SERMAL CLIMATOLOGY BRANCH AFITAC AI JEATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 - 14

HECTOR APT FARGO NO

74-81

FÉE MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1630-0603 HOURS (LIST)

CER NO			<u>-</u>		_		v15	B. "Y ST	ATUTE MIL	ES						
riee")	≶.ċ	≥6	≥ 5	≥4	≥ 3	×2×	≥ ;	≥ . %:	≥1%	≥'	≥ 4	≥ %	≥ ٧.	≥ 5/16	2 4	≥ડ
NO CELING	41.1	43.4	43.5	42.8	44.1	44.1	44.5	44.7	44.7	44.8	44.8	44.8	45.7	45.3	45.0	45.0
≥ 20000	<b>→3</b> •2	46.0	46.2	46.5	46.9	46.9	47.3	47.5	47.5			47.8	47.9	47.9	47.9	47.0
≥ +8000	-3.5	46.3	45.5	46.8	47.2	47.2	47.6		47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2
≥ .9000	43.5					47.2	47.6				43.1	42.1	48.2	48.2	48.2	48.2
≥ '4600	45.1	47.9	48.1	48.4	48.8	48.8	49.3			49.6	49.7	49.7	40.9	49.9	49.9	49.9
≥ 12000	46.5					50.7	51.2	51.3		51.5	51.6	51.6		51.8		
≥ .0000	49.7	53.4	53.7	54.1		54.6	55.0	55.2	55.2	55.3	55.5	55.5	55.6	55.€	55.6	55.6
≥ 9000 ≥	51.0	54.9	55.2	55.6	56 • P	56.3	56.5	56.6	56.6	56.8	56.9	56.9	57.1	57.1	57.1	57.1
≥ 8000	52.	56.6	56.9	57.4	57.8	57.8	58.4	58.6			58.8	58.8	59.0	59•3	59.3	59.0
≥ 7000	-5.6	5 9 . 6	60.0	60.8	61.2	61.2	61.8	61.9	61.9	62.1	62.2	62.2	62.4	62.4	02.4	62.4
≥ 6000	56.5	60.8	61.2	61.9	62.4	62.4	63.1	63.3	63.3	63.6	63.7	63.7	63.9	63.0	63.9	63.9
≥ 5000	58.1	62.5	63.	63.7	64.2	64.2	64.9	65.0	65.0	65.3	65.5	65.5	65.6	65.6	65.6	55.6
≥ 4500	58.7	63.4	64.7	64.7	65.2	65.2	65.9	66.1	66.1	66.4	66.5	66.5	66.7	66.7	66.7	66.7
≥ 400C	59.6	64.5	65.1	65.8	66.5	66.7	67.4	67.6	67.6	67.8	68.D	68.3	68.1	63.1	68.1	68.1
≥ 350C	< 0 • 5	65.8	66.4	67.1	67.8	66.1	68.9	69.0	69.C	69.3	69.5	69.5	69.6	69.6	69.6	59.6
≥ 3000	63.0	69.0	69.9	70.9	71.8	72.3	73.0	73.2	73.2	73.5	73.6	73.6	73.7	73.7	73.7	73.7
≥ 2500	(6.1	72.7	73.9	74.9	76.1	76.5	77.3	77.4	77.4	77.7	77.9	77.9	78.0	78.0	78.0	78.0
<b>₹ 200</b> 0	68.1	75.5	77.0	78.2	79.5	79.9	81.0	81.1	81.1	81.4	81.6	81.5	81.7	81.7	61.7	81.7
≥ ,800	20.0	76.8	78.3	79.6	81.0	81.4	82.6	82.7	82.7	83.0	83.2	83.2	83.3	83.3	53.3	a 3 • 3
≥ 1500	69.9		79.6	31.0	82.3	83.0	84.4	84.7	84.7	85.0	85.3	85.3	85.4	85.4	65.4	85.4
≥ 1200	70.6	78.9	80 . 8	82.2	83.6	84.4	85.8	86.3	86.3	86.7	87.0	87.3	87.2	87.2	b7.2	87.2
≥ ,000	70.3	79.5	81.7	83.3	85.0	85.8	87.8	88.6	88.6	89.4	90.0	90.0	90.4	90.4	90.4	90.4
≥ 900	71.1	80.1	82.0	84.1	85.7	86.6	88.6	89.7	89.7	90.4	91.0	91.0	91.4	91.4	91.4	91.4
≥ 800	71.2	83.4	82.3	84.4	86.0	86.9	88.9	90.0	90.0	90.7	91.3	91.3	91.7	91.7	91.7	91.7
≥ 700	71.4	81.1	83.2	65.5	87.2	98.2	90.6	91.6	91.6	92.3	92.9	92.9	93.5	93.7	93.8	93.5
≥ 600	71.4	81.4	83.5	<u>85.8</u>	87.9	88.9	91.3	92.5	92.5	93.2	94.1	94.1	94.7	94.8	95.0	95.C
≥ 500	71.4	81.6	83.8	86.1				93.2	93.2	94.0	94.8	94.8	95.4	95.6	95.7	
≥ 400	71.4		83.9	86.3	88.5	93.0	92.5	93.8	93.8	94.5	95.4	95.4	96.0	96.2	96.5	96.5
≥ 300	71.5	81.7	84.1	86.4	89.8	90.6	93.2	94.5	94.5	95.4	96.3	96.3	96.9	97.2	97.6	97.8
≥ 200	71.9	81.7	84.1	86.4	88.8	90.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.1	99.6
> 100	71.5	81.7	84.1	86.4	8.83	90.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.3	99.7
2 V	71.5	91.7	84.1	86.4	88.88	93.7	93.4	95.3	95.3	96.5	97.3	97.3	97.9	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_67

OL HAL CLIMATOLOGY BRANCH ATETAC AT LEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -1- HECTOR APT FARGO NO

74-81

MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U900-1100 HOURS (L.S.T.)

1E ( NG			*				v (\$	BL*Y ST	ATUTE MIL	€5						
(FEE')	≥ '0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	2.7	≥ %	≥1%	≥,	≥ 4	≥ %	≥ ′⁄	≥ 5/16	≥ %	≥c
NO CEUNO	44.7	47.3	47.3	47.9				49.6			50.4		50.7	50.7	50.7	50.0
≥ 20000		53.4								57.1					57.5	
≥ 18000	50.0	53.5	53.5	54.1		55.5	-				57.2		57.7	57.7	57.7	57.9
≥ 6000	. 1	53.7	53.7		55.D					57.4		57.4			57.A	58.5
≥ 14000	50.9	54.4	54.4	່ 55 • ປ	55.8			57.2		- 1	58.1		58.6	58.6	56.6	58.7
≥ 2000	12.4	56.0		56.8	-	58.1		59.0			59.9	59.9		60.3	60.3	60.5
≥ ,0000	52.9	57.1	57.1	57.8	58.6			60.5			61.5	61.5	61.9	51.9	61.9	62.1
≥ 9000	53.7	58.1		59.0	59.7	60.6		61.7		62.5	62.7	62.7	03.1	63.1	53.1	63.3
≥ 800C	54.7	59.3	,		63.9	61.8		62.5			63.9	63.9	64.3	64.3	64.3	64.5
≥ 7000	50.6	61.4	61.5	62.4	63.4	64.5	65.8	65.8	65.€	66.7	66.8	66.8	67.4	67.4	67.4	67.6
≥ 6000	57.4	62.1	62.2	63.3	64.3	65.5	66.8	66.8	66.8	67.7	67.8	67.8	68.4	68.4	68.4	58.6
≥ 5000	57.8	62.5			65 • D	66.2	67.7	67.7			68.7	68.7	69.3	69.3	69.3	69.5
≥ 4500	57.8	62.5	63.7	64.0	65.2	66.4	67.8	68.0	68.3	68.9	69.0	69.ũ	69.6	69.6	69.6	69.8
± 4000	59.3	54.0	64.7	65.8	67.1	68.3	69.8	69.9	69.9	70.8	70.9	70.9	71.5	71.5	71.5	71.7
≥ 3500	60.8	65.6	66.7	68.1	69.5	73.6	72.6	72.7	72.7	73.6	74.0	74.0	74.6	74.6	74.6	74.8
≥ 3000	(2.4	68.1	69.3	70.9	72.4	73.7	76.0	76.3	76.3	77.1	77.7	77.7	78.3	78.3	78.3	78.5
≥ 2500	t. 3 . 7	69.8	71.1							79.8			81.0	81.0	81.0	81.1
≥ 2000	65.3	72.4	73.7	75.5	77.7	79.4	81.6	82.4	62.4	83.3	83.9	83.9	84.5	84.5	34.5	84.7
≥ ¹800	t-6 • 2	73.5	74.8	76.5	78.9	80.7	83.2	84.1	84.1	€5.D	85.5	85.5	86.1	86.1	86.1	96.3
≥ 1500	67.6	74.9	76.4	78.2	80.5	82.3	85.3	86.3	86.3	87.5	88.1	8: . 1	â8.6	88.5	88.6	98.8
≥ 1200	68.3	75.8	77.3	79.2	81.6	83.3	86.4	87.8	87.9	89.4	90.3	90.3	97.9	90.9	90.9	91.3
≥ ,000	_68.7	76.3	78.3	80.2	82.9	84.8	88.1	89.5	89.8	91.3	92.2	92.2	92.9	92.9	92.9	93.1
≥ 900	69.2	76.7	78.5	80.7	83.3	85.3	88.8	90.3	90.7	92.3	93.2	93.2	94.0	94.3	94.0	94.1
≥ 800	60.8	77.3	79.1	81.4	84.1	86.0	89.5	91.0	91.6	93.2	94.4	94.4	95.1	95.1	95.1	95.3
≥ 700	69.8	77.3	79.1	81.4	84.1	86.0	89.7	91.2	91.7	93.5	94.7	94.8	95.7	95.7	95.7	95.9
≥ 600	62.9	77.6	79.4	81.7	84.4	86.3	90.1	91.6	92.3	94.2	95.4	95.6	96.5	96.5	96.5	96.8
≥ 500	69.9	77.9	79.6	82.0	84.7	86.7	90.6	92.0	92.8	95.0	96.2	96.5	97.3	97.3	97.3	27.6
≥ 400	69.9	77.9	79.6	82.0	84.7	86.7	90.6	92.0	92.8	95.1	96.3	96.6	97.5	97.5	97.5	97.8
≥ 300	69.9	77.9	79.6	32.0	84.7	86.9	90.7	92.2	92.9	95.4	96.9	97.2	98.4	98.4	99.4	99.3
≥ 200	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.6	97.2	97.5	98.8	98.8	99.3	
> 100	60.9	77.9	79.6	92.0	84.7		90.7			95.6						70.0
≥ 0	69.9	77.9	79.6	82.0	84.7	86.9	90.7	92.2	92.9	95.6	97.2	97.5	98.8	98.8		
		1							لنتت						٠,٠٠	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_675

GERBAL CLIMATOLOGY BRANCH UTAFETAC ATT MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO ND

74-81

FER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1460 HOURS (C.S.Y.)

CEILING							VIS	B.L TY 57	ATUTE MILI	ES						
(FEET)	≥ .c	≥6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ ¼	≥ %	≥ v:	≥ 5/16	2 ¼	≥0
NO CEUNG	45.3	48.5	<b>5</b> 0.0	51.3	51.6	51.8	52.5	52.7	52.7	52.9			53.2	53.2	53.4	53.4
≥ 20000	- 2 • 7	56.0		59.6					61.1				61.9			62.2
≥ 18000	52.7	56.3		59.6			60.9	61.1	61.1	61.4	61.5		61.9	61.9	62.2	62.2
≥ 16500	52.1	56.2		59.7	60.2					61.5		<u> </u>	62.1	62.1		
≥ 14600	>3.7	57.1	59.3	60.8			62.2	62.4	62.4	62.7	62.8	62.8	03.3	63.3	63.6	63.6
≥ 2000	<u> :5.3</u>	58.7	63.9	62.4			63.9			64.3	64.5	64.5			<del></del>	
2000: ≤	5.6	59.4		63.1	63.7		64.6		1		65.3			65.8	66 - 1	66.1
≥ 9000	55.9	59.7		63.7								66.1	66.5			66.8
≥ 8000	56.3	60.3		64 • 3						66.5	66.7		67.1	67.1	67.4	67.4
≥ 7000	57.7	62.1	64.6						68.0		68.4				69.2	
≥ 6000	57.9	62.4	-	66 • 4	67.1		69.1									
≥ 5000	50.6	63.1	65.9		68.1				1		70.2		70.6			
≥ 4500	50.	63.9	66.7	-	69.2		70 • 5								72.1	
2 400C	59.3	64.6							-		73.0					73.7
≥ 3500	59.7	65.3	60.4	69.9	71.2		72.9		-				74.3	-		74.6
≥ 3000	61.1	66.7	75.1	71.5								76.3				77.1
≥ 2500	61.9	68.3	71.7	73.3			_						79.4	79.5	79.8	79.8
≥ 2000	64.5			77.0						65.6	83.0				84.1	84.1
≥ !800	55.5	73.6		79.1									86.3		66.7	
≥ 1500	<u> </u>	75.4							87.9						90.1	90.1
≥ 1200	67.6	76.8	1 1		-				90.0				_		92.5	
≥ .000	67.8	77.6			87.0				91.6					94.2		94.7
≥ 900	68.6		1 1			93.4										96.9
≥ 800	68.7	78.8	<b>*</b> - • ·			90.9										97.8
≥ 700	69.	79.2	17		89.4		-		94.0							
≥ 600	69.2	79.4				91.4									98.7	
≥ 500	69.2	79.4	83.3	86.7		91.7									99.1	1 1
≥ 400	69.2	79.4				91.7			94.8							99.3
≥ 300	69.2	79.4	83.3	86.7	89.7	91.7		-	94.8		,					99.7
≥ 200	69.2	79.4		86.7	89.7	91.7			94.8						99.4	
≥ 100	69.2	79.4	83.3	86.7	89.7	91.7			94.8							100.0
≥ 0	69.2	79.4	83.3	86.7	89.7	91.7	94.0	94.7	94.8	96.2	97.3	97.6	98.7	98.8	99.4	100.U

67 -TOTAL NUMBER OF OBSERVATIONS \_\_\_

ALLEAL CLIMATOLOGY BRANCH C FITAC A' BATHER SERVICEZMAC

> 200 100

### CEILING VERSUS VISIBILITY

1 414

HECTOR APT FARGO NO

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1537-1700

HOURS (L.S.T.) VISIBLY STATUTE MILES > 10 ≥6 ≥ 5 ≥ 3 22% ≥ 2 ≥: /: ≥1% ≥ ¼ ≥ % ≥ ٧. ≥5/16 NO CERING > 18000 ≥ .900¢ ≥ 14000 ≥ :2000 ≥ 10000 55. 60.6 61.5 62.5 62.8 63.0 64.3 64.3 64.3 64.3 64.3 64.3 64.7 64.9 65.3 65.3 55.9 60.8 61.8 62.8 63.3 63.4 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.5 65.6 66.1 66.1 56.7 61.9 63.0 64.0 64.5 64.6 66.2 66.2 66.2 66.2 66.2 66.2 66.7 66.8 67.3 67.3 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 5000 ≥ 4500 2 400€ ż 3500 ≥ 2500 ≥ 2000 69.0 76.8 78.2 79.9 81.0 81.6 83.6 84.5 84.5 85.4 85.7 85.7 86.1 86.3 86.7 86.7 69.9 79.2 80.7 82.6 84.1 84.7 86.9 87.8 87.8 88.9 89.5 89.5 90.0 90.1 90.6 90.6 ≥ 1800 ≥ 1500 76.4 80.4 81.9 83.9 86.0 86.7 89.1 90.0 90.0 91.2 91.9 91.9 92.3 92.5 92.9 92.9 71.4 81.6 83.3 85.3 87.5 88.2 90.9 91.7 91.7 93.1 94.0 94.0 94.5 94.7 95.1 95.1 ≥ 1200 ≥ 7000 71.4 82.2 83.6 85.8 88.2 88.9 91.6 92.5 92.5 93.8 94.7 94.7 95.3 95.4 95.9 95.9 72.1 83.2 84.7 86.9 89.2 93.0 92.6 93.5 93.5 95.0 96.0 96.8 96.8 96.9 97.3 97.3 900 72.4 83.6 85.1 87.3 89.7 90.4 93.2 94.1 94.1 95.6 96.6 97.5 97.6 98.2 98.4 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.6 97.6 98.7 99.0 99.1 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.6 97.6 98.7 99.0 99.6 99.7 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.6 97.6 98.7 99.0 99.6 99.7 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.6 97.6 98.7 99.0 99.6 99.7 700 ≥ 600 500 400 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.9 97.9 99.0 99.3 99.9 00.0 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.9 97.9 99.0 99.3 99.9 00.0 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.9 97.9 99.3 99.3 99.9 00.0 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.9 97.9 99.0 99.3 99.9 00.0 72.4 83.6 85.3 87.6 90.1 91.0 94.1 95.1 95.1 96.6 97.9 97.9 99.0 99.3 99.9 00.0 300 2

> 678 TOTAL NUMBER OF OBSERVATIONS \_\_\_

SECHAL CLIMATOLOGY BRANCH STAFETAC AT- JEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14514 HECTOR APT FARGO ND

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000

CEIUNG							viS	18.L.TY ST.	ATUTE MIL	ES						
(FEE')	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥:%	≥1%	≥1	≥ ¼	≥%	≥ v:	≥ 5/16	≥ ¼	≥0
NO CEILING	45.7	47.9	48.4	48.8									49.1	49.1	49.1	49.1
≥ 20000	3.6					54.6			_			55.0		55.2		
≥ 18000	51.3	54.3						–	_	55.6				55.9	_	
≥ .9000	1.3	54.3	54.9			55.3				55.6			55.8	55.9		55.9
≥ 14000	51.3	54.6		55.6			55.6			55.9				56.2	56.2	56.2
≥ .5000	53.6	57.2	57.8	58.3	58.3	$\overline{}$		_		58.7		58.8	_	59.0		
≥ 10000	56 • 2	59.7	60.3	60.8	60.8	63.8	60.9	61.1	61.1			61.4	61.4	61.5	61.5	61.5
≥ 9000	57.1	60.6	61.2	61.7	61.7			61.9		62.1		62.2		62.4	62.4	42.4
≥ 8000	57.7	61.4		62.5	62.7	62.8	63.0		63.1	63.3		63.4	63.4	63.6	03.6	63.6
≥ 7000	59.3	63.4	64.2	64.6	64.7	64.9	65.0	65.2	65.2	65.3	65.5	65.5		65.6	65.6	65.6
≥ 6000	54-6	63.9	64.6	65.Q	65.2	65.3				65.8			65.9	66.1	66.1	66.1
≥ 5000	<u>_60.3</u>	55.3	66.1	66.5	66.7	66.8	67.1	67.3	67.3	67.6		67.7				
≥ 4500	1.1.8	66.4	67.4	68.0	69.1	68.3	68.6	68.7	68.7	69.0	69.2	69.2	69.2	69.3	69.3	69.3
≥ 4000	6 * . 4	68.9	70.1	70.6	70.8	71.1	71.4	71.5		71.8	72.0			72.1	72.1	72.1
≥ 3500	t 4 • 3	69.8	70.9	71.5	71.8	72.1	72.4	72.6	72.6	72.9	73.0	73.0	73.0	73.2	73.2	73.2
≥ 3000	o6 • 8	72.7	74.2	74.8	75.4	75.7	76.0	76.1	76.1	76.4	76.5	76.5	76.5	76.7	76.7	76.7
≥ 2500	68.9	76.0	77.4	78.0	78.8	79.4	79.6	79.8	79.8	80.1	80.2	80.2	80.2	80.4	80.4	60.4
≥ 2000	70.4	78.8	81.0	81.6	82.3	83.0	83.5	83.6	83.6	84.2	84.4	84.4	84.4	84.5	64.5	84.5
≥ 1800	71.5	79.9	82.7	83.3	84.2	85.0	85.4	85.5	85.5	86.1	86.3	86.3	86.3	86.4	86.4	86.4
≥ 1500	73.0	8 • 6	86.1	86.7	87.6	88.3	89.1	89.2	89.2	90.0	90.3	90.3	90.6	90.7	90.7	90.7
≥ 1200	73.9	84.7	88.5	89.2	90.4	91.2	91.9	92.2	92.2	93.1	93.4	93.4	93.7	93.8	93.8	93.2
≥ .000	75.2	86.3	90.1	91.0	92.6	93.4	94.2	94.7	94.7	95.6	96.3	96.3	96.6	96.9	96.9	96.9
≥ 900	75.4	86.7	90.7	91.6	93.2	94.0	94.8	95.4	95.4	96.3	97.1	97.1	97.3	97.6	97.6	97.6
≥ 800	75.5	86.9	90.9	91.7	93.4	94.1	95.1	95.7	95.7	96.6	97.3	97.5	97.8	98.1	98.1	98.1
≥ 700	75.5	87.0	91.2	92.0	93.7	94.4	95.4	96.0	96.0	96.9	97.8	97.9	98.2	98.7	98.7	98.7
≥ 600	75.5	87.0	91.2	92.2	93.8	94.5	95.6	96.2	96.2	97.2	98.1	98.2	98.5	99.0	99.0	99.0
≥ 500	75.5	87.0	91.2	92.2	93.8	94.5	95.6	96.2	96.2	97.2	98.1	98.2	98.5	99.3	99.0	99.0
≥ 400	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	97.9	98.8	99.0	99.3	99.7	99.7	99.7
≥ 300	75.5	87.3	91.4	92.5	94.1	95.0	96.2	96.8	96.8	98.1	99.1	99.3	99.6	100.0	150.3	100.0
≥ 200	75.5		91.4		94.1			96.8		98.1	99.1	99.3	99.6	100.0	100.0	100.0
> 100	75.5				94.1			96.8	96.8	98.1	99.1	99.3	99.6	100.0	100.0	100.0
≥ 0	75.5		1							98.1		99.3	99.6	100.0	100.0	koo.el
L										<u>-</u>						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_67 %

CLUPAL CLIMATOLOGY RRANCH FILTAC 41 LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 4 1 4

HECTOR APT FARGO ND

74-81

FE 3

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2303 Hours (LIST)

≥:0 49.6 51.6 52.7 53.2 55.3 57.7 60.0 60.5 61.9	51.3 54.0 55.0 55.0 55.0 57.8 60.2 62.5 63.0	54.4 55.5 55.5 56.2 58.3 60.6 63.0	≥4 51.8 54.4 55.5 55.5 56.2 58.3 60.6 63.0	≥3 51.8 54.4 55.5 55.5 56.2 58.3 60.6	54.4 55.5 55.5 56.2 58.3	51.8 54.4 55.5 55.5	51.8 54.4 55.5 55.5	≥1% 51.8 54.4 55.5 55.5	≥1 51.8 54.4 55.5	≥¾ 51.9 54.6 55.6 55.6	2% 51.9 54.6 55.6	≥% 51.9 54.6 55.6 55.6	≥5/16 51.9 54.6 55.6 55.6	24 52•1 54•7 55•8 55•8	≥c 52.2 54.9 55.9
51.6 52.7 52.7 53.2 55.3 57.7 60.0 60.5 61.9	54.0 55.0 55.0 55.8 57.8 60.2 62.5 63.0	54.4 55.5 55.5 56.2 58.3 60.6 63.0	54.4 55.5 55.5 56.2 58.3 60.6	54.4 55.5 55.5 56.2 58.3	54.4 55.5 55.5 56.2 58.3	54.4 55.5 55.5 56.2	54.4 55.5 55.5	54.4 55.5	54.4 55.5	54.6 55.6	54.6 55.6	54.6 55.6	54.6 55.6	54.7 55.8	54.9 5 <b>5.</b> 9
52.7 52.7 53.2 55.3 57.7 60.0 60.5 61.9	55.0 55.0 55.8 57.8 60.2 62.5	55.5 55.5 56.2 58.3 60.6 63.0	55.5 55.5 56.2 59.3 60.6	55.5 55.5 56.2 58.3	55.5 55.5 56.2 58.3	55.5 55.5	55 • 5 55 • 5	55.5	55.5	55.6	55.6	55.6	55.6	55.8	55.9
52.7 53.2 55.3 57.7 60.0 60.5 61.9	55.0 55.8 57.8 60.2 62.5 63.0	55.5 56.2 58.3 60.6 63.0	55.5 56.2 58.3 60.6	55.5 56.2 58.3	55.5 56.2 58.3	55.5 56.2	55.5						_		
53.2 55.3 57.7 60.0 60.5 61.8	55.8 57.8 60.2 62.5 63.0	56.2 58.3 60.6 63.0	56.2 59.3 60.6	56.2 58.3	56.2 58.3	56.2		55.5	2 2 2	CE (		55.6	55.4	C E 0	
55.3 57.7 60.0 60.5 61.9	57.8 60.2 62.5 63.0	58.3 60.6 63.0	59.3 60.6	58.3	58.3		56.2		2202	22.0	22.0		22.0	23.0	55.9
57.7 60.0 60.5 61.9	60.2 62.5 63.0	60.6 63.0	60.6			- C - 21		56.2	56.2	56 • 3	56.3	56.3	56.3	56.5	56.6
60.0 60.5 61.9	62.5 63.0	63.0		60.6		58.3	58.3	58.3	58.3	58.4	58.4	58 • 4	58.4	58.6	58.7
60.5 61.9	63.0		63.0		60.6	60.6	60.6	60.6	60.6	3.00	60.8	60.8	60.5	50.9	61.1
61.8		47 1		63.0	63.0	63.0	63.0	63.0	63.0	62.1	63.1	63.1	63.1	53.3	63.4
	امیر م	0000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9	64.□	64.2
	54.6	65.2	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.1	66.2
61.4	65.3	65.9	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.5	67.7	67.1
<u>દ3 ા</u>	66.4	67.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.4	68.6
64.1	65.3	69.9	69.9	69.9	69.9	70 - 1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.4	70.5
55.6	73.2	70.8	72.0	72.0	72.3	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.4	72.6
67.6	72.7	73.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.8	74.3	74.8	74.8	74.9	75.1
69.9	75.4	76.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.7	77.9
73.3	79.2	79.9	81.3	81.4	81.4	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9	82.D	82.2
73.7	81.3	82.2	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.5	84.7
74.2	P2.0	83.0	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.5	95.7
74 - 6	82.9	83.9	85.7	86.1	86.3	86.9	87.0	87.0	87.3	87.6	87.6	87.6	87.6	8.75	87.9
75.4	85.0	86.4	88.9	89.8	90.0	90.7	90.9	90.9	91.2	91.4	91.4	91.4	91.4	91.6	91.7
76.8	86.9	88.5	91.0	92.2	92.5	93.5	94.0	94.C	94.2	94.5	94.5	94.5	94.5	94.7	94.8
77.7	87.8	89.4	91.9	93.1	93.4	94.4	95.0	95.0	95.3	95.6	95.6	95.6	95.6	95.7	95.9
70.2	88.2	90.0	92.6	93.8	94.1	95.1	95.7	95.7	96.0	96.5	96.5	96.5	96.5	96.6	96.8
7A . 3	88.3	90.1	92.8	94 • D	94.2	95.3	95.9	95.9	96.5	97.1	97.1	97.1	97.1	97.2	97.3
78.S	88.6	93.4	93.5	95 · 0	95.3	96.3	96.9	96.9	97.5	98.1	98.1	98.1	98.1	98.2	98.4
78.5	88.8	90.6	93.7	95.1	95.6	96.8	97.5		98.1	98.8	98.8	98.8	98.8	99.0	99.1
78.5	88.9								98.2						99.3
78.5	88.9	90.9	94.0								99.6	99.6	99.7		
78.5	88.9	90.9		95.4							99.6	99.6	99.7	99.9	100.C
78.5															100.0
78.5					- 1			- 1		- 1					
	51.3 53.1 55.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7	51.9 65.3 .3.1 66.4 .4.1 68.3 .5.6 7].2 .7.6 72.7 .7.7 81.3 .7.8 81.3 .7.8 82.9 .7.8 88.9 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8 .7.8 88.8	51.3 65.3 65.9 3.0 66.4 67.0 4.0 68.3 68.9 55.6 70.2 70.8 57.6 72.7 73.3 59.9 75.4 76.1 73.3 79.2 79.9 73.7 81.3 82.2 74.2 82.0 83.0 74.6 62.9 83.9 75.4 85.0 86.4 76.8 86.9 88.5 77.7 87.8 89.4 78.5 88.6 90.0 78.5 88.8 90.6 78.5 88.9 90.9 78.5 88.9 90.9	51.7 65.3 65.9 66.5 53.0 66.4 67.0 68.0 54.0 68.3 68.9 69.9 55.6 73.2 70.8 72.0 57.6 72.7 73.3 74.5 59.9 75.4 76.1 77.3 73.3 79.2 79.9 81.3 73.7 81.3 82.2 83.6 74.2 82.0 83.9 85.7 74.6 62.9 83.9 85.7 74.6 82.9 83.9 85.7 75.4 85.0 86.4 88.9 76.8 86.9 88.5 91.0 77.7 87.8 89.4 91.9 78.5 88.6 90.6 93.7 78.5 88.6 90.6 93.7 78.5 88.9 90.9 94.0 78.5 88.9 90.9 94.0	51.3 65.3 65.9 66.5 66.5 66.5 66.4 67.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68	51.7       65.3       65.9       66.5       66.5       66.5       66.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0       72.0	51.7       65.3       65.9       66.5       66.5       66.7       66.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0       70.0	61.7       65.3       65.9       66.5       66.5       66.5       66.7       66.7         3.0       66.4       67.0       68.0       68.0       68.0       68.1       68.1         4.1       68.3       68.9       69.9       69.9       69.9       70.1       70.1         5.6       73.2       70.8       72.0       72.0       72.0       72.1       72.1         5.6       73.2       70.8       72.0       72.0       72.0       72.1       72.1         5.7       67.6       72.7       73.3       74.5       74.5       74.6       74.6         69.9       75.4       76.1       77.3       77.3       77.3       77.4       77.4         73.3       79.2       79.9       81.3       81.4       81.4       81.7       81.7         73.7       81.3       82.2       83.6       83.9       83.9       84.2       84.2         74.6       82.9       83.9       85.7       86.1       86.3       86.9       87.0         75.4       85.0       86.4       88.9       90.0       90.7       90.7       90.0         76.8       86.9       88.5	61.7       65.3       65.9       66.5       66.5       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       80.2       80.2	61.7       65.3       65.9       66.5       66.5       66.5       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.1       68.0       68.0       68.0       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1       70.1	61.7       65.3       65.9       66.5       66.5       66.5       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.8       68.0       68.0       68.0       68.0       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.1       68.2       68.2       68.3       68.3       68.3       78.3       78.5       78.5       78.5	61.7       65.3       65.9       66.5       66.5       66.5       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.7       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8       66.8	61.7       65.3       65.9       66.5       66.5       66.5       66.7       66.7       66.7       66.7       66.8       66.8       66.8       66.0       68.0       68.0       68.1       68.1       68.1       68.1       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       68.3       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2       70.2	51.7 65.3 65.9 66.5 66.5 66.5 66.7 66.7 66.7 66.7 66.8 66.8 66.8 66.8	51.7 65.3 65.9 66.5 66.5 66.5 66.7 66.7 66.7 66.7 66.8 66.8 66.8 66.8

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

678

CLITAL CLIMATOLOGY BRANCH JEAFETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 > 14

HECTUR APT FARGO ND

STATION NAME

74-81

FEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEUNG	· -	<u> </u>					viS	BILITY ST	ATUTE MILI	E S						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ , %	≥1%	≥1	≥ ¼	≥%	≥ 4.	≥ 5/16	≥ ′4	≥c
NO CEILING	45.3	47.7	48.2	48.7	48.8	48.9	49.2	49.3	49.3	49.5	49.5	49.5	40.6	49.6	49.7	49.5
≥ 20000	49.5	52.5	53.2	53.7	53.9	54.0	54.4	54.5	54.5	54.7	54.7	54.7	54.9	55.J	55.1	55.2
≥ 18000	40.9	52.9	53.6	54 - 1	54.3	54.4	54.8	54.9	54.9	55.1	55.1	55.1	55.3	55.4	55.5	55.6
≥ .9000	51:•0	53.0	53.7	54.1	54.4	54.5	54.9	55.0	55.0	55.1	55.2	2 - 5 د	55.4	55.4	55.5	55.6
≥ 14000	50.7	53.8	54.5	55.0	55.2	55.3	55.8	55.8	55.8	56.0	56.1	56.1	56.3	56.3	56.4	56.5
≥ :2000	52.4	55.7	56.4	56.9	57.2	57.3	57.7	57.8	57.8	58.0	58.1	58.1	58.2	58.3	58.4	58.5
≥ ,0000	54.2	57.8	58.5	59.1	59.3	59.5	60.D	60.1	60.1	60.3	60.3	60.3	60.5	60.6	50.7	60.3
≥ 9000	55.3	59.0	59.8	60.4	60.7	60.9	61.4	61.5	61.5	61.7	8.16	61.8	61.9	62.C	62.1	62.2
≥ 6000	56.2	59.9	60•3	61.4	61.7	61.9	62.4	62.5	62.5	62.7	62.8	62.8	63.0	63.0	63.1	63.2
≥ 7000	5€.0	62.1	63.1	63.8	64.1	64.3	64.9	65.0	65.0	65.2	65.3	65.3	65.5	65.5	65.6	65.7
≥ 6000	58.7	63.1	64.0	64.7	65.1	65.3	65.9	66.0	66.0	66.2	66.3	66.3	66.5	66.6	66.7	66 • 8
≥ 5000	59.7	64.1	65.1	66 · Q	66.4	66.6	67.3	67.5	67.5	67.7	67.8	67.8	68.3	68.0	68.1	68.2
≥ 4500	60 · 3	65.1	66.2	67.0	67.5	67.8	68.5	68.6	68.6	68.9	69.0	69.3	69.2	69.2	69.3	69.4
≥ 4000	61.6	66.7	68.0	68.9	69.5	69.9	70.6	70.8	70.8	71.0	71.2	71.2	71.4	71.4	71.5	71.6
≥ 3500	62.6	68.1	69.3	70 - 4	71.0	71.4	72.2	72.4	72.4	72.7	72.8	72.8	73.0	73.1	73.2	73.3
≥ 3000	54.5	70.5	72.0	73.1	73.9	74 - 3	75.2	75.4	75.4	75.7	75.9	75.9	76.1	76.2	76.3	76.4
≥ 2500	66.9	73.5	75.0	76.2	77.2	77.8	78.7	79.1	79.1	79.4	79.6	79.6	79.8	79.9	80.0	80.1
≥ 2000	68.8	76.2	77.9	79.3	83.5	81.1	82.2	82.6	82.6	83.0	83.3	83.3	83.5	83.6	83.7	83.8
≥ 1800	69.6	77.3	79.2	813.6	81.8	82.5	83.7	84.1	84.1	84.6	84.8	84.8	85.0	85.1	85.2	85.3
≥ 1500	70.5	78.9	81.1	82.6	83.9	84.8	86.2	86.7	86.7	87.2	87.6	87.6	87.9	27.9	88.0	88.1
≥ 1200	71.3	80.4	82.6	84.4	86.0	86.8	88.4	89.0	89.0	89.7	90.1	90.1	90.4	90.4	90.6	90.7
≥ ,000	72.0	81.4	83.8	85.9	87.7	88.7	90.5	91.3	91.4	92.1	92.7	92.7	93.2	93.3	93.4	93.5
≥ <b>90</b> 0	72.4	82.0	84.4	86.7	88.6	89.5	91.4	92.3	92.3	93.2	93.8	93.8	94.3	94.4	94.5	94.6
≥ 800	72.8	82.4	84.9	87.3	89.2	90.1	92.1	93.0	93.1	94.0	94.7	94.8	95.2	95.3	95.4	95.5
≥ 700	72.9	82.7	85.3	87.7	89.7	90.6	92.7	93.6	93.7	94.7	95.5	95.5	96.1	96.2	96.4	96.5
≥ 600	73.1	82.9	85.5	98.1	90.2	91.1	93.3	94.2	94.3	95.3	96.1	96.2	96.8	96.9	97.1	97.2
≥ 500	73.0	83.1	85.7	88.3	90.5	91.5	93.8	94.8	94.9	96.0	96.8	96.9	97.6	97.7	97.9	98.0
≥ 400	73.1	83.2	85.9	88.5	90.7	91.8	94.2	95.1	95.3	96.3	97.2	97.3	97.9	98.1	98.3	98.5
≥ 300	73.1	83.2	85.9	88.6	90.8	92.1	94.5	95.4	95.6	96.7	97.7	97.8	98.5	98.7	99.C	99.3
≥ 200	73.1	83.2	85.9	88.6	90.8	92.1	94.5	95.6	95.7	97.0	98.0	98.1	98.8	99.0	99.5	99.3
≥ 100	73.1	83.2	85.9	88.7	90.9					97.0	98.0	98.1	98.9	99.0	99.6	99.9
≥ 0	73.1	83.2	85.9	88.7	90.9	92.1	94.5	95.6	95.8	97.0	98.D			99.0		

5424 TOTAL NUMBER OF OBSERVATIONS

GL. PAL CLIMATOLOGY BRANCH SATITAC

A: FATHER SERVICE/MAC

200 100

### CEILING VERSUS VISIBILITY

1 1 4

HECTOR APT FARGO NO

74-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200

VISIBLITY STATUTE MILES (FEE's ≥1% ≥ 1 ≥ % ≥5/16 ≥ % ≥.0 ≥ 5 ≥ 3 ≥2% ≥ . % NO CERINO \* C • 4 ≥ 20000 54.8 ≥ 18000 ≥ 6000 ≥ 12000 ≥ :0000 ≥ 9000 ≥ 800C > 7000 ≥ 5000 ≥ **450**0 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 1800 2 ≥ 1200 ≥ 1000 900 <u>></u> 800 700 2 500 400

TOTAL NUMBER OF OBSERVATIONS \_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

and the state of the section of the section of

GELBAL CLIMATOLOGY BRANCH CRIFETAC ATH JEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14

. HECTOR APT FARGO ND

STATION NAME

74-81

140

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

330-0500 HOURS (L.S.T.)

CEUNG							vis	BILITY ST	ATUTE MIL	ES	_					
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄4.	≥ 2	≥ ι ½	≥1%	≥1	≥ ¼	≥ %	≥ ∀:	≥ 5/16	≥ ′4	≥0
NO CERUNG	46.9	48.8	49.5	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	50.0	52.4	53.1	53.8	54 • D	54.0	54.0	54 . D	54.0	54.D	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	50.1	52.8	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
> .6000	50.1	52.8	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	50.3	53.6	54.3	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	52.3	55.0	55.6	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	56.6	59.3	59.9	60.6	60.9	6ü.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	63.9
≥ 9000	57.7	60.3	61.0	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	58.3	61.0	61.7	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	ιQ•5	63.2	63.h	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.8
≥ 6000	62.5	65.5	66.4	67.1	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 5000	54.5	67.9	69.1	59.8	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	65.5	68.8	70.0	70.7	71.1	71.1	71 • 1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	67.3	71.4	72.6	73.5	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	48.5	72.7	73.9	74.9	75.3	75.3	75.3	75.4	75.4	75.4	75 • 4	75.4	75.4	75.4	75.4	75.4
≥ 3000	71.q	75.3	76.6	77.6	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 25 <b>0</b> 0	72.2	76.9	78.6	79.6	80.1	8G.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	8C.2	30.2	8D.2
≥ 2000	74.3	79.7	81.5	82.5	83.3	83.3	83.5	83.6	83.6	83.9	83.9	83.9	83.9	83.9	63.9	83.9
≥ '800	75.1	≥0.8	82.5	83.6	84.4	84.4	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	75 - 4	81.5	83.2	84.7	85.8	85.8	85.9	86.D	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	76.2	82.5	84.4	86.0	87.1	87.1	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	67.8	87.8
≥ ,000	77.2	84.0	86.3	87.8	89.0	89.0	89.2	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
.: 90G	77.3	84.4	86.4	88.2	89.4	89.4	89.7	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	77.4	84.7	87.9	89.4	90.6	90.6	91.0	91.5	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	77.6	85.1	87.4	90.1	91.3	91.3	91.8	92.3	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	77.6	85.1	87.4	90.2	91.5	91.5	92.2	92.7	92.9	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	77.7	85.3	87.8	91.1	92.7	92.7	93.4	94.0	94.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	77.7	85.3	87.8	91.1	92.9	92.9	94.1	94.6	95.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4
2 300	77.7	85.8	88.3	91.8	93.7	93.7	94.9	95.6	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	77.7	85.8	88.3	91.8	9 T • 7	93.7	94.9	95.7	96.1	97.3	97.7	97.7	98.0	98.0	98.5	98.5
> 100	77.7	85.8	88.3	91.8	97.7	93.7	94.9	95.7	96.1	97.6	98.0	98.0	98.8	99.1	99.6	99.6
≥ 0	?7.7	85.8	88.3	91.8	93.7	93.7	94.9	95.7	96 • 1	97.6	98.0	98.D	98.8	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

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SECTAL CLIMATOLOGY BRANCH SECTAC AT JEATHER SERVICEZMAC

# CEILING VERSUS VISIBILITY

1 -14

HECTOR APT FARGO NO

74-81

HAF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J600-0800

1EIL NG								BL.TV ST	NTUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥ / %	≥1%	≥1	≥ %	≥ %	≥ ٧.	≥ 5/16	≥ 4	≥c
NO CERUNG	44.1	46.9	47.8	48.7	49.1	49.2	49.2	49.3	49.3	49.5	49.6	49.6	49.7	49.9	20.0	50.0
≥ 20000	47.7	50.7	51.6	52.4	<del></del> +	53.0		53.1	53.1	$\overline{}$	53.4	53.4	53.5	53.6		5 <b>3.</b> 3
≥ 18000	47.7	50.7	51.6	52 • 4	52.8	53.0	53.0		53.1	53.2	53.4	53.4	53.5	53.6	53.8	53.8
≥ :6000	47.8	5 1.8		52.6			53.1	53.2			53.5	53.5	53.6	53.8	53.9	
≥ 14000	45.8	51.7	52.7	53.5	53.9	54.0		54.2	54.2	54.3	54 • 4	54.4	54.6	54.7	54 • 8	54 - 8
≥ :2000	50.1	53.1	54.0	54 • 8	55.2		55.4				55.8	55.€	55.9	56.0	56.2	56.2
≥ 19000	53.4	56.3		58.1	58.5	58.6	58.6	58.7	58.7	58.9	59.€	59.C	59.1	59.3	59.4	59.4
≥ 900C	55.0	57.9		59.7	60.1	60.2	60.2	60.3		60.5	60.6	60.6		63.5	t1.0	61.3
≥ 8000	56.2	59.1	60.1	60.9	61.3	61.4	61.4	61.6	61.6	61.7	61.8	61.8	62.3	62.1	62.2	62.2
≥ 7000	58.1	61.2	62.1	62.9	63.3	63.4	63.4	63.6	63.6	63.7	63.8	63.8	64.0	64.1	64.2	64.2
≥ 6000	60•1	63.3	64 • 2	65.1	65.5	65.6	65.6	65.7	65.7	66.0	66.1	66.1	66.3	66.4	66.5	66.5
≥ 5000	61.0	64.4	65.7	66.7	67.3	67.5	67.5	67.6	67.6	67.9	68.0	68.C	68.1	68.3	68.4	68.4
≥ 4500	62.1	65.5	66.8	67.7	63.4	68.5	68.5	68.7	68.7	69.0	69.1	69.1	69.2	69.4	69.5	69.5
≥ 4000	04.1	67.7	69.2	70.3	71.1	71.2	71.2	71.4	71.4	71.6	71.8	71.8	71.9	72.0	72.2	72.2
≥ 3500	64.9	68.5	70.2	71.2	72.0	72.3	72.3	72.4	72.4	72.7	72.8	72.8	73.3	73.1	73.3	73.3
≥ 3000	66.9	70.7	72.4	73.5	74.3	74.6	74.6	74.7	74.7	75.0	75.1	75.1	75 • 3	75.4	75.5	75.5
≥ 2500	68.4	72.7	74.5	75.5	76.5	76.7	76.7	76.9	76.9	77.2	77.3	77.3	77.4	77.6	77.7	77.7
≥ 2000	70.2	75.8		79.2	80.1	80.4	80.4	80.5	80.5	80.9	81.5	81.3	81.3	81.5	\$1.6	81.6
≥ 1800	71.0	77.0	79.2	80.5	81.5	81.7	81.7	81.9	81.9	82.3	82.4	82.4	82.7	82.6	82.9	82.9
≥ 1500	71 • 4	77.7	80.2	81.6	82.5	82.8	82.9	83.1	83.1	83.5	83.6	83.6	83.9	84.0	64.1	34.3
≥ 1200	72.4	79.3	82.1	83.9	84.9	85.3	85.6	85.8	85.8	86.2	86.3	86.3	86.6	86.7	86.9	97.0
≥ ،000	73.3	<u>8</u> 0.5	83.5	85.5	86.6	87.1	87.4	87.8	87.8	88.2	88.3	88.3	85.6	88.7	88.9	89.0
≥ 900	73.4	80.6	83.6	85.6	86.7	87.5	87.8	88.3	88.3	88.7	88.8	88.8	89.1	89.2	59.4	89.5
≥ 800	73.4	83.6	83.6	85.8	87.D	88.0	88.6	89.4	89.4	89.8	90.1	90.1	90.5	90.6	90.7	90.9
≥ 700	73.4	80.8	83.7	86.0	87.4	88.4	89.0	89.8	89.8	90.2	90.5	90.5	90.9	91.0	91.1	01.3
≥ 600	73.7	81.0	84.0	86.3	87.6	88.7	89.4	90.2	90.2	90.9	91.1	91.1	91.7	91.8	91.9	
≥ 500	73.7	81.2	84.1	86.7	88.6	89.7	90.6	91.4	91.4	92.2	92.5	92.5	93.0	93.1	93.5	93.7
≥ 400	73.7	81.5	84.4	87.1	89.1	90.2	91.3	92.1	92.1	93.0	93.3	93.3	93.8	94.0	94.4	94.5
≥ 300	73.7	81.7	84.8	87.6	89.8	90.9	91.9	92.7	92.9	94.0	94.5	94.5	95.0	95.2	95.7	95.8
≥ 200	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.6	95.4	95.4	96.4	96.6	97.6	97.8
≥ 100	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.8	95.7	95.7	96.8	97.0	99.1	99.7
≥ 0	73.7	81.9	84.9	87.8	89.9	91.0	92.1	92.9	93.0	94.8	95.7	95.7	96.8	97.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_

ULICAL CLIMATOLOGY PRANCH SFETAC AS REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

HECTUP APT FARGO NO

74-81

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн ∪930-1107 HOURS (L.S.T.)

(FEET)	≥:0						***3	9. 3.	ATUTE MILE							
	1	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ?	≥ . ⅓	21%	٠ ≤	≥ ¼	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING	46.4	49.5	57.5	50 • 4	50.7	50.9	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.7
≥ 20000	50.5	54.0	54.6	55.0	55.2	55.5	55.9		55.9	56.3		56.3	56.3	56.3	56.3	
≥ 18000	50.₹	54.4	55.3	55.4	55.6	55.9	56 • 3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	
≥ 18000	1.1	54.7	55.2	55.6	55.9		56.6				57.0					
≥ '4600	.2.3	55.9	56.5	56.9	57.1	57.4	57.8	57.8		58.2	58.2	58.2	58.2	58.2	58.2	
≥ .5000	52.3	56.5	57.7	57.4		57.9	58.3				58.7	58.7		58.7	58.7	
20000 ≤	.4 - 3	58.1	58.7	59.1	59.4	59.7	60.1	60.1	60.1	60.5	60.5	60.5	60.5	60.5	50 • 5	
≥ 9000	55.3	59.5		60.6	60.9	61.2	61.6				62.0	62.0		62.3	62.0	
≥ 8000	56.5	60.3		61.4		62.0	62.4	62.4	62.4	62.8	62.8	62.8	62.9	62.9	62.9	
≥ 7000	59 • 3	62.2	62.9	63.3		63.8		64.2			64.7	64.7		_	64.8	
≥ 6000	50.7	62.9	63.7	64.1	64.4	64.7	65.1	65.1	65.1	65.5	65.5	65.5	65.5	65.5	05.6	65.7
≥ 5000	59.7	63.8	64.7	65.1	65.5	65.7	66.1	66.1	66.1		66.5	66.5		66.7	66.7	
≥ 4500	1.6	65.9	66.7	67.1	67.5	67.7	68 • 3	68.3		· ·	68.7	68.7	68.8	68.9	68.8	
≥ 4000	53.2	68.0	68.8	69.2	69.9	73.3	73.8	70.8			71.4	71.4	71.5			71.6
≥ 3500	54.7	68.8	69.8	70.3		71.4	71.9				72.4	72.4	72.6	72.6	72.6	72.7
≥ 3000	05.6	73.4	71.6	72.2	73.1	73.5	74.1	74.1	74.1	74.5	74.6	74.6		74.7	74.7	74.9
≥ 2500	66.9	72.3	74.1	74.6			76.6	76.9		77.3	77.4	77.4	77.6	77.6	77.6	77.7
≥ 2000	60.4	75.4	77.3	77.8	78.9	79.3	80.0	80.5	80.5		81.3	81.3			61.5	
≥ '800	67.8	76.1	78.2	78.8	80.1	80.5			81.7	1	82.7	82.7	82.8	82.0	82.8	
≥ 1500	76.8	77.6	80.0	80.8	82.1	82.5	83.2	83.9	83.9		84.9	84.9		85.1	05.1	95.5
≥ 1200	71.5	78.6	81.2	82.0	83.3		84.8	85.6			87.0			87.1	87.1	87.6
≥ 000	72.0	79.8	82.8	83.6	84.9	85.6	86.6	87.4	87.4			88.8		89.1	89.1	89.7
≥ 900	72.7	83.5	83.6	84.8	86.2	86.8	87.9	88.8	88.8	90.1	90.5	90.5	90.7	90.7	90.7	91.3
≥ 800	72.7	80.8	84.0	85.3	86.8	87.5	88.6	89.5	89.5	90.9	91.3	91.4	91.7	91.7	91.7	92.2
≥ 700	72.7	81.0	84.8	86.4	88.2	88.8	89.9	90.9	90.9	92.2	92.6	92.7	93.0	93.0	93.0	93.5
≥ 600	72.7	81.2	84.9	86.6	88.3	89.0	90.1	91.1	91.1	92.6	93.0	93.1		93.4	93.4	94.0
≥ 500	72.7	81.3	85.1	86.8	88.6	89.2	90.5	91.5	91.5	93.1	93.5	93.7	94.1	94.1	94.1	94.6
≥ 400	72.7	81.5	85.3	87.2	89.0	89.7	91.0	92.7	92.7	94.5	95.2	95.3	95.7	95.7	95.7	96.2
≥ 300	72.7	91.5	85.3	87.5	89.2	89.9	91.3	93.1	93.1	94.9	95.6	95.8	96.5	96.5	96.5	97.0
≥ 200	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7	93.7	95.7	96.9	97.2	98.0	98.1	98.1	98.7
≥ 100	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7	93.7	95.7	96.9	97.2	98.0	98.1	98.5	99.6
<u>≥</u> 0	72.7	81.5	85.3	87.5	89.2	89.9	91.4	93.7				97.2	98.0	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

CLITAL CLIMATOLOGY BRANCH
TATRITAC
ALL FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14 HECTOR APT FARGO NO

74-81

MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1403 Hours (c.s.v.)

CER NO							V1\$	B . ** ST	NTUTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	>2%	≥ ?	. N - ≤	≥1%	≥,	≥ 4	≥ %	≥ ∨.	≥ 5/16	2 4	≥ ¢
NO CEIUNG ≥ 20000	44.7 53.	51.5 56.0	1	51.9 56.5	52.8 57.4		53.C	53.2 57.8	53.2 57.8			53.2 57.8	53.2 57.8		53.7 57.8	53.2 57.8
≥ 18000 ≥ 16000	4 . 4	56.7	57.	57.1		58.1	58 • 2 58 • 2	58.5 58.5	58.5	58.5 58.5		58.5 58.5	58.5	58.5	58.5 58.5	58.5 58.5
≥ 14000 ≥ :2000	54.6 55.2	56.9	57.1	57.3		56.2	58.3		58.6	58.6	58 • €	58.6	58.6 59.5	58.6	58.6 59.5	58.6
2 19000 ≤	56.5 57.3	59.0	59.3	59.4	60.5	60.5	60.6	63.9	60.9	60.9	60.9	60.9	60.9	60.9	63.9	60.9
≥ 8000 ≥ 7000	57.8	60.3	60.6	60.8	61.8		62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	52.2
≥ 6000 ≥ 5000	58.5 59.1	61.7	62.0	62.1	63.2	63.2	63.3		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500 ≥ 4000	50•5 60•8		63.7	63.8	64.9	65.1	65.2		65.5	65.5	65.5	65.5	65.5	65.5	65.5	
≥ 3500 ≥ 3000	12.4		65.7	65.9		67.2	67.5	-	67.7	67.7		67.7	_		67.7	67.7
≥ 2500 ≥ 2000	66.0	70.7	71.2	71.5		73.3		73.7	73.7		73.9	71.0	73.9	73.9	73.9	73.9
≥ 1800	70.6		77.6	75.9 77.8	79.2	79.7	80.2		80.6	80.9	81.2	79.0	31.2		79.0 61.2	£1.2
≥ 1500	72.8			82.9	84.3		85.8	86.3	86.4	87.1	87.5	84.8	87.5	87.5	84.8	P7.5
≥ 900	75.1 75.4	82.4		84.3						90.7				91.9	91.9	
≥ 800	75.9 76.6		85.1 86.0		88.6									94.1	94.1	95.8
≥ 600	76.6 76.6		86.0	88.2		90.6		93.5			96.5				96.6	
≥ 400	76 • 6	85.1	86.0	88.6	90.5	91.1	92.3	94.4	94.5	95.8	97.4	97.6	97.7	97.7	97.8	98.0
≥ 300 ≥ 200	76.6	85.1	86.0	88.6	90.5	91.1	92.5	94.5	94.6	96.0	97.8	98.3	98.5	98.5	99.2	99.3
≥ 100 ≥ 0	76.6 76.6		86.0 86.0	88.6	90.5 90.5	91.1	92.5 92.5			96.0 96.0			98.7 98.7			.00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

744

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS REITIONS OF THIS FORM ARE OSSOLETE

4

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CL PAL CLIMATOLOGY BRANCH USEFETAC A. PEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

10 14 HICTOR APT FARGO ND

74-81

MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 Hours (List)

CERNO							٧١S	B. ** S*	ATUTE MILI	ES.					<u> </u>	
(FEET)	≥ .c	≥6	≥5	≥ 4	≥ 3	≥2%	≥ ?	≥ - ½	≥1%	≥'	2 4	≥ %	27	≥5/16	2 4	<b>≥</b> ¢
NO CEUNO	46.1	47.4	47.7	47.7	48.5	4 . 5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.7	48.7
≥ 20000	2.4	54.4	54.7	54.8	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55 c
≥ (8000	_3.1	55.1	55.4	55.5	56.3	50.3	56.5	56.6	56.6	56.6	56.6	56.6	56.5	56.6	56.6	56.€
≥ 16000	_3.1	55.1	55.4	55.5	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.5		
≥ 14000	. 3 . 5	55.5	55.€	55.9	56.7	56.7	56.9	57.J	57.0	57.0	57.0	57.0		57.0	57.0	5 <b>7</b> • ⊃,
≥ 2000	54.3	56.9		57.4	58.2		58.3		58.5	58.5		58.5	58.5	50.5	53.5	58.5
≥ 10000	55.4	58.2	58.5	58.7	59.5	59.5	59.7	59 • 8	59.8	59.8	59.8	59.8	5°•8	59.8	59.5	59.8
≥ 9900	57.7	59.9	60.2	60.5	61.3	61.3	61.4	61.6	61.6	61.6	61.5	61.6		61.0	51.6	61.0
≥ 8000	55.7	61.0	61.6	61.8	62.6	62.6	62.8	52.9	62.9	62.9	62•3	62.9	65.9	62.9	62.9	62.9
≥ 7000	57.7	62.1	62.5	62.9	63.7	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	54.1
≥ 6000	67.5	63.0	63.6	64.D	64.8	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.	65.2	55.2
≥ 5000	11.2	63.7	64.2	64.7	65.5	65.5	65.7	65.9	65.9	65.9	65.9	56.3	66.0	66.C	56.	F.6
≥ 4500	<u> </u>	64.7	64.5	64.9	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.4	66.4	€6.4	66.4	66.4
2 400C	02.	65.6	66.1	66.7	67.5	67.6	67.9	68.0	68.0	66.0	6P.C	68.1	6° • 1	65.1	68.1	68.1
≥ 3500	₹3.3	66.1	66.7	67.2	68.C	68.1	68.4	68.5	68.5	68.5	68.5	65.7	68.7	68.7	55.7	68.7
≥ 3000	ં ઠ6 • ⊓	69.5	70.0	70.6	71.5	71.6	71.9	72.3	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4
≥ 2500	69.1	72.7	73.3	73.8	74.9	75.0	75.3	75.4	75.4	75.7	75.7	75.8	75.8	75.8	75 • 8	75.8
<b>≟ 200</b> 0	72.3	76.5	77.3	78.0	79.0	79.2	79.7	79.8	79.8	80.1	_60•1	80.2	80.2	83.2	-3-2	8J•2
≥ 800	73.3	77.8	79.6	79.3	80.6	80.8	81.3	81.7	81.7	82.0	82.0	82.1	82.1	82.1	32.1	52.1
≥ 1500	75.9	80.6	81.7	82.7	84.0	84.3	84.9	85.8	85.8	86.0	86.2	86.3	86.3	86.3	66.3	96.3
≥ 1200	76.5	82.1	83.6	84.5	86.0	86.4	87.1	88.2	88.2	88.4	88.6	88.7	88.7	88.7	88.7	88.7
≥ .000	77.3	32.8	84.3	85.3	87.0	87.4	88.3	89.5	89.7	90.3		93.6	90.6	იე. გ	93.6	95.1
≥ 900	77.8	83.7	85.6	86.7	88.3	88.7	89.7	91.0	91.1	91.8	92.1	92.2	92.2	92.2	35.5	35.2
≥ 800	77.8	84.0	86.0	87.2	89.0	89.4	90.3	91.7	91.8	92.5	92.7	92.9			93.0	93.0
≥ 700	77.8	84.4	86.6	87.9	89.7	90.1	91.5	92.9	93.D	93.7	94.0	94.1	94.2	94.2	94.2	04.2
≥ 600	77.8	84.4	86.6	88,3	89.8	90.6	92.2	94.0	94.1	94.9	95.2	95.3	95.4	95.4	95.4	95.4
≥ 500	77.8	84.4	86.8	88.3	90.1	91.0	92.9	94.6	94.8	96.2	96.5	96.6	96.8	96.8	96.8	96.t
≥ 400	77.8	84.4	86.8	88.3	90.2	91.3	93.3	95.2	95.3	97.0	97.6	97.7	97.8	98.1	98.1	98.1
≥ 300	77.8	84.4	86.8	88.3	90.2	91.3	93.4	95.4	95.6	97.6	98.4	98.5	98.7	98.9	99.1	99.
≥ 200	77.8	84.4	86.8	86.3	90.2	91.3	93.5	95.8	96.0	98.0	98.8	98.9	99.2	99.€	99.7	99.
> 100	77.8	84.4	86.8	88.3	90.2	91.3	93.5	95.8	96.0	98.D	98.9	98.9	99.2	99.6	100.0	100.
≥ 0	77.8	34.4	86.8	88.3	90.2	91.3	93.5	95.8	96.0	98.0	98.8	98.9	99.2	99.6	100.0	100.

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_741

SE HAL CLIMATOLOGY BRANCH CATERAC ATT LEATHER SERVICE/MAG

#### CEILING VERSUS VISIBILITY

1 -- 14 HECTOR APT FARGO NO

74-81

MAR.

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000 HOURS (L.S.T.)

ČENNO							٧١S	B . TY ST	ATUTE MIL	E\$						
rfEE"s	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	21%	≥'	≥ %	≥ %	≥ י⁄	≥ 5/16	≥ 4	≥:
NO CEILING	3.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	56.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	56.7	59.7	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.0	59.8	59.5
≥ .9000	56.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.0
≥ '4000	57.3	60.2	60.3	60.3	60.3	60.3	50.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ .5000	39.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9
20000: ≤	.0.5	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	61.7	64.9	65.2	65.2	65.2	65.2	65.2	65,2	65.2	65.2	65.2	65.2	55.2	65.2	65.2	65.2
≥ 800C	2.	66.0	66.3	66.3	66.3	66.3	56.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	56.3	66.3
≥ 7000	14.5	68.D	68.3	65.3	68.3	68.3	68.3	68.3		68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	5.7	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	59.3
≥ 5000	56.4	7 <u>3</u>	70.6	70.6		73.6	73.6	70.6	70.6	70.6	70.6	70.6	73.6	70.5	70.6	73.5
≥ 4500	56.8	7 . 9	71.1	71.1	71.1	71.1	71 • 1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	67.3	71.9	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.6	72.7	72.7	72.7	72.7
≥ 3500	69.1	72.3	72.6	72.6	72.6	72.6	72.7	72.8	72.8	72.8	72.8	73.0	73.1	73.1	73.1	73.1
≥ 3000	70.2	74.5	74.7	74.9	74.9	74.9		75.1		75.1	75.1	75.3	75.4	75.4	75.4	75.4
≥ 2500	71.8	76.6	76.9	77.2	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.6	77.7	77.7	77.7	77.7
≥ 2000	76.3	81.6	81.9					82.9		82.9	82.9		83.2	93.2		
≥ 1800	77.2	82.4	52.8	83.2	83.5	83.5	83.7	83.9	84.0	84.0	84.0	84.1	84.3	84.3	54.3	84.3
≥ 1500	75.9	84.1	84.7	85.1	85.3	85.8	86.0	86.4	86.6	86.6	86.6	86.7	86.8			86.8
≥ 1200	79.	84.7	85.2	85 . 8	86.2	86.6	87.0	87.4	87.5	87.5	87.5	87.6	67.8	87.8	87.8	₽7.8
≥ ,000	79.3	85.6	86.4	87.1	87.6	88.0	89.0	89.5	89.7	89.8	89.5	89.9	90.1	90.1	73.1	90.1
≥ 900	79.7	66.7	87.0	87.6	88.2	88.6	89.5	90.2	90.5	91.0	91.0	91.1	91.3	91.3	91.3	91.3
≥ 800	⊭ព∙ា	86.4	87.4	88 - 3	89.0	89.4	90.3	91.0	91.3	91.8	91.8	91.9	92.1		92.1	92.1
≥ 700	50.2	87.1	88.2	89.1	89.9	90.3	91.3	92.2	92.5	93.0	93.1	93.3	93.4	93.4	93.4	93.4
≥ 600	<b>FD.4</b>	87.2	88.3	89.2	90.1	90.5	91.5	92.7	93.0	93.7	93.8			94.1	94.1	94.1
≥ 500	80.5	87.6	88.7	89.7			92.9		94.6		96.0			96.2	96.2	96.2
≥ 400	80.5	87.6		89.7	90.6	91.7	93.4	95.2	95.4	96.8	97.0			97.3		97.3
≥ 300	F0.5	87.8	89.1	90.1	91.0	92.1	94.1	96.0	96.2	98.D	98.4	98.5		99.1	-	99.5
≥ 200	ីខព∙≸	87.8	89.1	90.1	91.1	92.2				98.3		98.8	99.3	99.5	99.9	99.9
> 100	60.5	87.8	89.1	90.1	91.1	92.2	94.4	96.2	96.5	98.3	98.7	98.8	99.3	99.5	130.0	100.0
2 0	+0•5	87.8	89.1	90.1	91.1	92.2	94.4	96.2	96.5	98.3	98.7	98.8	99.3	99.5	100.0	LCO.€

TOTAL NUMBER OF OBSERVATIONS \_\_\_

CLUFAL CLIMATCLOGY BRANCH SATETAC AT- REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 NECTOR APT FARGO ND STATION NAME

74-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 Hours (La.t.)

CELLNO							¥15	B . TY STA	ATUTE MIL	<b>E</b> S						
(FEET)	≥ :0	≥6	≥5	≥ 4	≥ 3	≥21⁄.	≥ ?	≥ . 7:	21%	≥ '	≥ ¼	≥%	≥ ٧;	≥5/16	≥ ¼	≥0
NO CERUNG	54.2	55.9	56.€	56 • C	5€.0	56.0	56.D	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	56.4	58.7	58.1	58.1	58.1	58.1	58.1	58.1		56.3	58.3	58.3	58.3	58.3	56.3	50.3
≥ 18000	56.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ .9000	56 • 7	58.3	58.4	58.4	58.4	58.4		58.4			58.5			58.5		
≥ 14000	56.7	58.3	59.4	58.4	58.4	58.4	58.4		58.4	58.5	58.5	58.5	-	58.5	58.5	58.5
≥ :2000	57.6	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	50.6	59.6	59.6	59.6
≥ 10000	o 1 • 1	62.7	62.9	63.0	63.€	63.0	63.D	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	61.4	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000	t 3 • 1	64.9	65.0	65.1	65.1		65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	25 • 4	67.2	67.3	67.7	67.7	67.8	67.8	67.8	67.8	68.0	68.0	_ <b>6</b> 8•0		68.0	0.83	68.0
≥ 6000	>6 ∙ 6	68.4	68.5	68.9	68.9	67.0	69.D			69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	67.6	69.4	69.6	70.0	70 • C	70.1	70.1			70.3	70.3			70.3		
≥ 4500	68.2	70.7	77.9	71.5	71.5	71.6					71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	70.3	72.9	73.2		73.8			73.9	73.9							74.0
≥ 3500	70.8	73.6	73.9		74.4	74.6			74.6		74.7	-	-	74.7	-	74.7
≥ 3000	74.7	77.1	77.5		78.2			78.3			78.5			78.5	78.5	78.5
≥ 2500	75.8	79.7	80.2	60.03	80.9	81.0				81.2	91.2	81.2		81.2	81.2	P1.2
≥ 2000	77.4	81.4	82.2	83.2	83.2			83.4	T - T		83.7	83.7	83.7	83.7	83.7	
≥ 1800	76.5	22.5	83.3	84.4	84.4	84.5	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	77.3	83.8	84.7	85.7	85.7	85.9	86.0	86.0	86 • O			86.3	86.3	86.3	86.3	86.3
≥ 1200	⊕D•1	95.7	86.8	87.9	88.D	58.4	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ .000	_ 80 • 5	86.1	87.2	88.3	88.7	89.1		89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 900	€1.7	96.7	87.9	89.1	89.6	90.0	90.8	91.0	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	61.3	67.1	88.3	89.6	90.2	90.7	91.5	91.8	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	£1.3	87.1	88.3	89.6	90.2	90.7	91.5	92.1			92.9	92.9	92.9	92.9	92.9	
≥ 600 [	51.4	87.6	89.4	90.7	91.3	91.8	92.7	93.7			94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	61.6	88.3	90.2	91.8	92.7	93.4	94.5	95.6	95.6	96.4	96.4	96.5	96.5	96.5	96.5	96.5
≥ 400	€1.6	88.3	90.2	91.8	92.7	93.4	94.9	96.2	96.2	97.2	97.2	97.3	97.4			97.4
≥ 300	31.6	P8.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3				99.2	99.5	99.6	99.6
≥ 200	31.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.6	99.7	99.7
> 100	81.6	88.3	90.6	92.2				97.3			98.5	98.7	99.2	99.6	100.0	100.0
≥ 0	51.6	88.3	90.6	92.2	93.5	94.3	95.8	97.3	97.3	98.3	98.5	98.7	99.2	99.6	្រួ	100 • D

TOTAL NUMBER OF OBSERVATIONS

TELEFAL CLIMATOLOGY BRANCH CATETAC A "EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14 HECTOR APT FARGO NO

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL DURS (L.S.T.)

CEILING				-			v15	B LITY ST.	ATUTE MILI	ES						
rfee"s	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ : ½:	≥1%	≥1	≥ ¾	≥ %	≥ 4.	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	48.9 52."	51.0 55.3			52.0 56.4	52.1 56.4	52.1 56.5	52.2 56.6	52.2 56.6		52.3 56.7	52 <b>·3</b> 56 <b>·</b> 7	52.3 56.7	52.3 56.7		
≥ 18000 ≥ 18000	53.2 53.2		56.1 56.2	56.4 56.5	56.8 56.8	56.8 56.9	56.9 56.9	57.0 57.0		-	57.1 57.1	57.1 57.1	57.1 57.1	57.1 57.2	57.1. 57.2	57.1 57.2
≥ 14000 ≥ 12000	53.7 54.7	56.3 57.5	56.7 <b>57.</b> 9	57.0 58.3	57.4 58.6	57.4 58.7	57.5 58.8	57.6 58.8	57.6 58.8	57.7 58.9	57.7 58.9	57.7 58.9	57.7 58.9	57.7 59.5		57.8 59.0
00001 ≤	57.2 58.4		67.4		61.1 62.3	61.1	61.2 62.4	61.3 62.5	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4 64.6
≥ 8000 ≥ 7000	59.3 61.1	62 <b>.1</b> 64 <b>.</b> D	62.6 64.5		63.3 65.2	63.4 65.3	63.5 65.4	63.5 65.4	63.5 65.4	63.6 65.5	63.6 65.5	63.6 65.5	63.7 65.6	63.7 65.6	i _ i .	63.7 65.6
≥ 6000 ≥ 5000	62.5 0 <b>3.</b> 5	65.4 66.6	66.0 67.3		66.7 68.1	66.8 68.2	66.9 68.3	67.0 68.4		67.1 68.5	67.1 68.5	67.1 68.5	67.1 68.5	67.2 68.5	67.2 68.6	67.2 68.5
≥ 4500 ≥ 4000	54 • 4 56 • 1		68.3 72.3	'		69.3 71.4	69.4 71.6	69.5 71.7	69.5 71.7	69.6 71.8	69.6 71.8	69.7	6°.7	69.7 71.9	69.7 71.9	69.7 72.0
≥ 3500 ≥ 3000	66.8 69.2	-	71.2 73.8	71.7 74.4		72.3 75.1	72.5 75.3	72.6 75.4		72.7 75.5	72.7 75.6	72.7 75.6	72.8 75.7	72.8 75.7	72.8 75.7	72.8 75.7
≥ 2500 ≥ 2000	71.3 73.7		76.3 79.8			77.7 81.5	77.9 81.8	78.1 82.0	78 • 1 82 • 0	-	78.3 82.3	78.3 82.3			78.4 82.4	78.4 82.4
≥ 1800 ≥ 1500	74.5 75.6		81.7	81.8 83.8		82.8 84.8		83.3 85.5	83.3 85.5		83.7 86.0	83.7 86.0	83.8 86.1	83.8 86.1	83.° 86.1	83.8 86.2
≥ 1200 ≥ 1000	76.3 76.8		85.3		87.6			89.1	87.4 89.2	87.7 89.6	87.9 89.8	87.9 89.9	88.0 90.0	88.J 90.U		88.1 90.1
≥ 900 ≥ 800	7 <b>7.</b> 2	84.5		88.1	89.2		89.5 90.4	91.1	90.2 91.2	90.8 91.9	92.2	92.3	91.2 92.4	91.2 92.4	91.2 92.4	91.3 92.5
≥ 700 ≥ 600	17.6 77.6	85.0	87.1	89.0	90.2	90.4	91.3 91.7	92.1 92.8		92.9 93.7	94.1	93.3	93.4	93.4	93.4	93.5
≥ 500 ≥ 400	77.7	85.3 85.3	87.5	89.7	91.2	91.9	92.7	93.8	94.7	95.0	96.4	95.5 96.5	95.7 96.7	95.7 96.7	95.8 96.9	95.8 96.9
≥ 300 ≥ 200	77.7	85.5 85.5	87.8	90.1	91.7	92.4	93.8	95.2 95.4	95.3 95.5	96.6		97.4	97.7 98.4	97.6 98.6	98•1 99•0	98.2
≥ 100 ≥ 0	7 <b>7.7</b> 7 <b>7.7</b>	85.5 85.5	87.8 87.8		91.7 91.7	92.4	93.9 93.9	95.4 95.4	95.5 95.5	97.1 97.1	97.8 97.8			98 • 8 98 • 8	99.6 99.6	99.5 LOD.D

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

a track year magazine way

SECHAL CLIMATOLOGY BRANCH STAFFTAC AT LEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1-14

HECTOR APT FARGO NO

74-81

AP?

ATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J000-0200

CEILING							VIS	B . TY 57	ATUTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥ 2	≥·%	≥1%	≥1	2 %	≥ %	≥ ∀;	≥ 5/16	≥ ¼	≥c
NO CERING ≥ 20000	52.6 55.7	53.2 56.3		54 • 4 57 • 5		54.6 57.6		54.7 57.8	54.7 57.8	54.7 57.8	54.7 57.8	54.7 57.8	54.7 57.8	54.7 57.8	54.7 57.8	5 <b>5.</b> 1 58.2
≥ 18000 ≥ 16000	56.4 56.4	56.9 56.9						1		58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5	58.5 58.5		58.9 58.9
≥ 14000 ≥ :2006	56.9 58.2	57.5 58.8		58 • 8 60 • 3			_	59.0 60.7				59.0 60.7		59.0 60.7	59.0 60.7	59.4 61.1
≥ 10000 ≤	51.8 62.9	62.5	64.3				65.6			64.4	_			$\overline{}$	65.6	64.9 66.0
≥ 8000 ≥ 7000	67.8	65.4	69.2	66.9 70.0		70.3			70.4	70.4	70.4	67.4 70.4		70.4		67.8 70.8
≥ 6000 ≥ 5000	70.0 72.6	70.8	74.2	75.0	75.3	75 43	75.4	75.4	75.4	75.4	75.4		75.4			
≥ 4500 ≥ 4000	74.0 75.6	75.0 76.7	77.4	76.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6		78.6		77.1 78.8	
≥ 3500 ≥ 3000	75.7	78.8	79.4	80.3	80.6	80.6	80.7	80.7	80.7	80.7	90.7	80.7	80.7	78.8	78.9 80.9	79.3
≥ 2500 ≥ 2000	79.6 1.0	82.2	83.2		84.7	84.7	84.9					83.1 84.9 85.8		83.1 64.9 85.8	83.2	85.6 86.5
≥ 1800	84.7	85.0	86.0	87.1	87.6	87.6	87.8	87.8		87.8	87.8				86.0 87.9 90.3	88.5
≥ 1200 ≥ 1000 > 900	86.3	88.8	89.4		91.5	-		91.9	91.9	92.1	92.1	92.1	-	92.1	92.2	92.8
≥ 800 ≥ 700	27.2 57.6	89.3	97.7		92.9	92.9	93.5	93.5	93.5		93.6	93.6	93.6	93.6	93.8	94.3
≥ 600	57.8 68.1	90.7	92.4	94.2	95.1	95.1	96.0	96.0	96.0	96.1	96.1	96.1		96.1	96.3	
≥ 400	88.3	91.4	93.2	95.0		96.0	96.8	96.8		97.1	97.1	97.1	97.2	97.2	97.4	97.9
2 200	58.5 58.5	91.8		95.7		96.8	98.1	98.2	98.2	98.9	98.9		99.3	99.3	99.4	100.0
≥ 0	88.5	91.8	1					98.2		98.9				99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

723

DE BAL CLIMATOLOGY BRANCH PRETAC AT REATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 - 514

HECTOR APT FARGO ND

STATION NAME

74-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2305-0500 HOURS (LIST.)

CEIUNG							٧١S	:B; *¥ ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ %	≥%	≥ 4:	≥ 5/16	≥ ¼	≥c
NO CEUNG ≥ 20000	49.9 52.1	50.8 53.1	51.0 53.2	51.7 53.9	51.7 53.9	51.7 53.9		51.7 53.9	51.7 53.9	53.9	51.7 53.9	51.7 53.9	51.7 53.9	51.7 53.9	51.9	52•2 54•4
≥ 18000 ≥ 16000	52.2 52.2	53.2 53.2	53.3 53.3	54.0 54.0	54.D	54.0		54.0 54.0	54.0 54.0	-	, 1	54.0 54.0		54.0 54.0	54.3 54.3	54 • 6 54 • 6
≥ 14000 ≥ 12000	53.1 54.4	54.0 55.4	54.2 55.6	55.0 56.4	55.0 56.4	55.0 56.4	56.4	55.0 56.4	55.C 56.4		56.4	55.0 56.4	55.0 56.4	55.0 56.4	55.3 56.7	55.6 56.9
≥ 10000	57 • 1 58 • 3	58.3 59.6	58.6 59.9	59.6 60.8	59.6 60.8	59.6 60.8	59.6 60.8		59.6 60.8		59.6 60.8	59.6 60.8		59.6 63.8	59.9 61.1	60.1 61.4
≥ 8000 ≥ 7000	60.1 63.1	64.4	61.7	62.6	65.7	62.6	65.7	65.7	62.6	65.7	65.7	65.7	65.7	62.6 65.7	62.9 66.0	5 <b>3.</b> 2
≥ 6000 ≥ 5000	65.4 66.8	66.8	67.1 68.6	68.1	69.6	68.1 69.6	68 • 1 69 • 6	69.6		69.6		68.1 69.6	68.1 69.6	68.1 69.6	68.3	
≥ 4500 ≥ 4000	68.8 71.0	70.4	70.7 73.1	71.7	71.7	71.7 74.0		74.0			74.0	71.7		74.2	71.9 74.4	72.2
≥ 3500 ≥ 3000	71.8 74.4	73.5	73.9 76.8	74.9 77.8	74.9	74.9 77.8	77.8	77.8		77.8	77.8	74.9 77.8	78.1	78.1	75•3 78•3	75.6 78.6
≥ 2500 ≥ 2000	77.6 79.4	79.7 81.5	80.3 82.1	81.4 83.2	81.4	81.4 83.2	81.4 83.2	83.2	81.4 83.2	81.4 83.2	81.4 83.2	81.4 83.2	61.7 83.5		81.9 63.8	82.2
≥ 1800 ≥ 1500	30.0 81.8	82.2	82.8 85.1	83.9 96.3	83.9		83.9 86.3	83.9			83.9 86.3	83.9	84.2	84.2 86.5	86.8	84.7
≥ 1200 ≥ 1000	84.2	86.1 97.5			88.2	88.2					88.2 39.9	88.2 89.9		86.5 90.1	88.8 90.4	89.0 90.7
≥ 900 ≥ 800	85.3	88.9			91.4	91.4 92.1	91.5 92.4	92.4	91.5	92.4	91.5 92.5	91.5 92.5			92.1 93.1	93.3
≥ 700 ≥ 600	45.6 85.6	89.7					93.8	93.8	93.1 93.8		93.3	93.3	93.6	93.6	93.9	94.2 95.0
≥ 500 ≥ 400	85.7 86.0	90.7	91.8	93.6	94.D	94.9	94.4	94.4	94.4	94.9 95.8	95.0 96.0	95.0	95.3	95.3 96.3	95.6 96.5	95.8 96.8
≥ 300 ≥ 200	86.1	91.0	92.6	94.2	95.7 95.8	95.8 96.D	96.5	96.8	96.4	96.8	96.9	96.9	98.5	98.5	97.5	98.1
≥ 100 ≥ 100	86.1	91.0 91.0	92.6 92.6	94.3	95.8 95.8	96.0 96.0	96.5 96.5	1	96.9 96.9	97.8 97.8	98.2 98.2	98.2 98.2	98.9 98.9	98.9	99.2 99.2	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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SECRAL CLIMATOLOGY BRANCH CSAFETAC AT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14 HECTOP APT FARGO ND

APT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0803

	≥10 44.6 48.9 49.2 49.2	≥6 46.4 51.0	≥5 46.5	≥4 46.7	≥ 3	≥2%	≥ 2									
≥ 20000 ≥ 18000	48.9			46.7				≥ ; ½:	≥11/4	≥1	≥ ¾	≥ %	≥ v:	≥ 5/16	≥ '4	≥c
≥ 18000	49.2	51.0		7001	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.8
			51.1	51.3			52.1		52.1	52.1	52.1	52.1	52.1			52.4
≥ .9000	110 3	51.3	51.4	51.5	52.1		52 • 4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	\$2.5	
		51.3	51.4	51.5	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4		52.6
	49.7	51.8	51.9	52.1	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.5
≥ :2000	50.6	52.6		53.1	53.6	53.9			54.2		54.2	54.2		54.2	54.3	54.4
≥ 10000	55.0	57.5		58.2	59.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.3
≥ 9000	55.4	58.2	58.6	58.9	59.6	59.9	60.3	60.3	60.3	60.3	60.3	60.3		60.3	60.4	60.6
≥ 8000	56.7	59.6	60.0	60.3	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.0
≥ 7000	58.9	6 • 1	62.5	62.8		63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.4
≥ 6000	50 • 6	64.0	64.7	65 • O	65.8	66.1	66.7	66.7	66.7	67.1	67.1	67.1	67.2	67.2	67.4	67.5
≥ 5000	62.2	66.1	67.1	67.4	68.2	68.5	69.0	69.0	69.0	69.6	69.6	69.6	69.7	69.7	69.9	70.0
	53.8	68.2	69.2	69.4	70.3	70.6	71 • 1	71.1	71.1	71.7	71.7	71.7	71.8	71.8	71.9	72.2
≥ 4000	55 · 1	70.1	71.1	71.4	72.2	72.6	73.2	73.2	73 • 2	73.8	73.8	73.8	73.9	73.9	74.0	74.3
≥ 3500	55.9	71.0	71.9	72.2	73.1	73.5	74.0	74.0	74.0	74.6	74.6	74.6	74.7	74.7	74.9	75.1
≥ 3000	67.1	72.2	73.2	73.5	74.3	74.7	75.3	75.3	75.3	75.8	75.8	75.8	76.0	76.0	76.1	76.4
≥ 2500	70.3	75.8	76.8	77.1	77.9	78.3	79.2	79.2	79.2	79.7	79.7	79.7	79.9	79.9	80.0	80.3
≥ 2000	72.2	78.1	79.2	79.6	80.4	80.8	81.8	81.8	81.8	82.4	82.4	82.4	82.5	82.5	82.6	82.9
≥ +800	72.9	79.8	79.9	80.3	81.3	81.7	82.6	82.6	82.6	83.2	83.3	83.3	83.5	83.5	83.6	83.9
≥ 1500	74 - 4	80.6	81.7	82.2	83.2	83.6	84.6	84.6	84.6	85.1	85.3	85.3	85.4	85.4	85.6	85.8
≥ 1200	75.6	82.9	84.3	84.9	86.0	86.5	87.5	87.5	87.5	88.1	88.2	88.2	88.3	88.3	68.5	88.8
≥ .000	76.3	84.7	86.3	86.9	€8.1	88.6	89.7	90.3	90.3	90.8	91.0	91.0	91.1	91.1	91.3	91.5
≥ 900	76.9	86.0	87.5	88.3	89.4	90.0	9: •1	91.7	91.7	92.2	92.4	92.4	92.5	92.5	92.6	92.9
≥ 800	76.9	86.4	87.9	88.8	89.9	90.6	91.7	92.4	92.4	92.9	93.1	93.1	93.3	93.3	93.5	93.8
≥ 700	77.2	36.9	88.5	89.6	93.8	91.7	92.8	93.5	93.5	94.0	94.2	94.2	94.4	94.4	94.6	94.9
≥ 600	77.4	87.2	88.8	89.9	91.3	92.1	93.3	94.0	94.0	94.7	94.9	94.9	95.1	95.1	95.3	95.6
≥ 500	77.4	87.6	89.2	90.3	91.8	92.6	93.9	94.6	94.6	95.3	95.6	95.6	95.8	95.8	96.0	96.3
≥ 400	77.4	87.8	89.3	90.7	92.4	93.2	94.6	95.3	95.3	96.1	96.4	96.4	96.7	96.7	96.8	97.1
≥ 300	77.4	37.8	89.4	90.8	92.5	93.3	94.7	95.6	95.6	96.4	96.8		97.1	97.1	97.4	97.6
≥ 200	77.4	87.6	89.4	91.0	92.6	93.5				96.8			-	97.8		
> 100	77.4	87.8	89.4		92.6				95.7		97.4		97.8	97.8	98.5	99.9
≥ 0	77.4	87.8	89.4				94.9			96.8				97.8		100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

SECRAL CLIMATOLOGY BRANCH STAFETAC AT- REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J990-1100 HOURS (L.S.T.)

CEILING							VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥ %	≥1%	≥1	≥ ¼	≥ %	≥ ∀:	≥ 5/16	≥ 6	≥c
NO CEILING ≥ 20000	46.7	49.2	49.4	49.4	49.7	49.9	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	51.0	53.5	53.8		54.4	54.6	55.D	55•1 55•3	55.1 55.3	55.3	55.1 55.3	55.3	55.3	55.3	55.3	55.3
≥ '6000	11.3	53.9	54.2	54.2	54.7	54.7 55.0	• •	55.6		55.6	55.6	55.6	55.6	55.6	55.6	55.6
> 14000	51.9	54.6	54.9	54.9	55.4	55.7	56.1	56.3	56.3	56.3	56 • 3	56.3	56.3	56.3	56.3	56.3
≥ :2000	53.6	56.4	56.7	56.7	57.2		57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
> 10000	55.7	58.5	58.8		59.3	59.6	60.0	60.1	63.1	60.1	60.1	60.1	60.1	60.1	60.1	
≥ 9000	56.7	59.4	59.7	59.7			61.0		61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	57.2	60.3	60.6	60.6	61.1	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	57.6	63.2	63.5	63.5	64.0		64.7	65.0		65.0		65.0	65.0	65.D	65.0	65.0
≥ 6000	€0.3	64.3	64.6	64.6	65.1	65.8	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	61.3	65.8	66.3	66.4	66.9	67.6	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	52.1	66.8	67.2	67.4	67.9	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	59.4	69.4
± 4000	63.8	68.6	69.4	69.7	70.4	71.1	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72,1
≥ 3500	64.3	69.4	70.3	70.6	71.3	71.9	72.5	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	c5.7	71.1	71.9	72.2	73.1	73.8	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	66.9	72.5	73.3	73.6	74.6	75.3	75.8	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76 • 3	76.3
≥ 2000	69.6	75.3	76.4	76.8				79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	70.4	76.4	77.9	78.2	79.2	80.0		81.0			61.1	81.1	81.1	81.1	81.1	£1.1
≥ 1500	71.8	78,2		80.1	81.3		82.9	83.2		83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	73.3	83.4	81.9	82.9	84.2	85.0	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	75.4	84.0	85.6	86.5			89.9	90.3					91.0	91.0		91.C
≥ 900 ≥ 800	76.7	85.8	87.5	88.6	90.0	90.8	91.9	92.4	92.4	93.2	93.2	93.2	93.3	93.3	93.3	93.3
	76.9	86.7	88.3	89.4				93.3		94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 700 ≥ 600	77.1	87.4	89.7	90.1	91.8	92.6	93.8	94.3	94.3	95.3	95 • 3	95.3	95.6	95.6	95.6	95.6
	77.1	87.4	89.0	90.1	91.8			94.4	94.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7
≥ 500 ≥ 400	77.2	87.6	89.4	90.7	92.5	93.3	95.0	95.6	95.6	96.5	96.5	96.5	96.8	96.8	96.8	96.8
	77.2	87.9	89.7	91.1	92.9	93.8	95.8	96.5	96.5	97.8	97.8	97.8	98.1	98.1 98.8	98.2	98.2
≥ 300 ≥ 200	77.2	88.1	89.9	91.4	,		-	96.9	96.9	98.3		98.6	98.9	98.9	98.9	99.3
	77.2	88.1	89.9	91.4	93.2		96.3	97.1	97.1	98.5	98.6	98.8	99.2	99.2	99.4	99.7
≥ 100	77.2		89.9					97.1	97.1	98.6	98.9	98.9	99.4	99.4		00.0
لــــــــــــــــــــــــــــــــــــــ	1104	00.1	0707	91.4	7304	7702	70.3	7101	7701	70.0	70.9	70.7	77.4	77.4	7701	F 00 • 0

TOTAL NUMBER OF OBSERVATIONS 720

SLUEAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

74-81

APG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1450 HOURS (LE.T.)

CEIUNG							vis	iB:L-TY ST	ATUTE MIL	ES					<del></del> _	
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ι%	≥1%	≥1	≥ %	≥ %	≥ ∨:	≥ 5/16	≥ ¼	≥¢
NO CEILING	45.3	45.8	46.0	46.1	46.3	46.5	46.8	46.8	46.8	46.8	46.5	46.8	46.8	46.5	46.8	46.3
≥ 20000	52.5	53.8			54.2	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	52.5	53.8	53.9		54.2	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ .9000	52.5	54.0		54.3	54.4	54.7	55.0		55.0	55.D	55.0	55.0		55.0	55.0	55.0
≥ 14000	53.2	54.4	-	54.7	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ :2006	54.4	55.7	55.8	56.0	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	55.6	56.8	56.9	57.1	57.2	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	56.7	58.1	_	58.3	58.5	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.7	59.5	59.0	59.0
≥ 8000	57.2	58.6	58.8	58.9	59.0	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	59.7	60.4		60.7	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	60.7	62.2	62 • 4	62.5	62.6	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	.2.6	64.6	64.9	65.1	65.3	65.6	65.8	66.0	66.0	_66∙0	66.0	66.0	66.0	66.J	66.0	66.0
≥ 4500	53.5	65.6	66.7	66.3	66.4	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	٥5 . 8	68.2	68.6	68.9	69.0	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	67.2	69.6	70.0	70.3	70.4	73.7	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	69.0	71.9	72.4	72.6	72.8	73.1	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	70.7	73.9	74.4	74.7	74.9	75.3	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	72.9	76.3	76.8	77.2	77.4	77.9	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	74.4	77.9	78.5	78.9	79.0	79.6	80.1	80.4	80.4	80.6	80.6	80.6	83.6	80.6	60.6	80.6
≥ 1500	77.9	82.4	83.1	83.6	83.9	84.4	85.0	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1206	81.5	85.8	86.7	87.4	87.8	88.3	87.0	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ .000	£2.2	87.9	88.8	89.4	90.0	90.6	91.5	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	83.1	89.6	90.6	91.4	92.4	92.9	94.3	95.0	95.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	33.1	90.3	91.3	92.2	93.2	93.8	95.1	95.8	95.8		96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	83.2	90.4	91.5	92.5	93.8	94.4	95.8	96.5	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	83.2	90.6	91.8	92.8	94.2	95.0	96.5	97.4	97.4	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	33.2	90.6	91.8	92.9	94.3	95.3	97.1	97.9	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.9
≥ 400	83.2	90.6	91.8	93.2	94.6	95.6	97.5	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	53.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	83.2	90.6	91.9	93.3	94.7	95.7	97.8	98.6	78.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	83.2	90.6	91.9	93.3	94.7	95.7	97.8		98.6	99.6	99.9	99.9		00.0		
[ ≥ o [	53.2	93.6	91.9	93.3	94.7		97.8	98.6	98.6	99.6	99.9			00.0		
		7														

TOTAL NUMBER OF OBSERVATIONS \_\_\_

GLURAL CLIMATOLOGY BRANCH STATETAC AT SEATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 514

HECTOP APT FARGO TO

STATION NAME

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

TEUNG				_			viS	B:Lity ST	ATUTE MIL	ES						
(FEET)	≥ :0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	≥.%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ %	≥0
NO CEILING	46.5	46.9	47.1	47.4	47.5	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	54.4	55.3	55.4	55.7	55.8	56.0	56 • D	56.0	56.0	56.1	56.1		56.1	56.1	56.1	56.1
≥ 18000	54.6	55.4	55.6	55.8	56 • D	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ :6000	54.6	55.4	55.6	55.8	56 • D	56.1	56.1	56.1	56.1	56.3	56.3		56.3	56.3	56.3	
≥ 14000	35.6	56.4	56.5	56.8	56.9	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ :2000	56.3	57.6	57.8	58.1	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	58.1	59.3	59.4	59.7	59.9	60.0		60.0	60.C	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	60.7	62.2	62.4	62.6	62.8	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	61.7	63.6	63.8	64.0	64.2	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 7000	€3.8	65.7	66.D	66.3	66.4	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	66.3	68.3	68.6	68.9	69.D	69.2	69.3	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.5
≥ 5000	69.2	70.3	70.6	70.8	71.0	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	69.4	71.5	71.8	72.1	72.2	72.4	72.5	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4000	79.7	72.8	73.1	73.3	73.5	73.6	73.8	73.8	73.8	74.0	74.C	74.0	74.0	74.0	74.0	74.0
≥ 3500	71.9	74.3	74.6	74.9	75.0	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	75.4	78.2	78.5	78.8	78.9	79.0	79.2	79.2	, .2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	79.0	81.9	82.2	82.5	82.6	82.8	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	81.7	85.1	85.4	85.7	86.0	86.3	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	2.4	95.8	86.1	86.5	86.8	87.1	87.2	87.2	87.2	87.5	67.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	₹ <b>5 • 3</b>	89.2	89.4	89.9	90.1	90.4	90.6	90.6	90.6	90.8	90.8	93.8	90.8	90.8	90.8	90.8
≥ 1200	57.1	91.9	92.2	92.6	92.9	93.2	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ ;000	57.6	93.9	94.3	94.7	95.0	95.3	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	57.6	94.6	95.0	95.4	95.8	96.1	96.5	96.5	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	ò7.6	94.7	95.1	95.6	96.0	96.3	96.7	96.7	96.7	97.1	97.5	97.5	97.5	97.5	9 - 5	97.5
≥ 700	67.6	94.7	95.1	95.6	96.1	96.5	97.2	97.4	97.4	97.8	98.2	98.2	98.2	98.2	2 ۲	98.2
≥ 600	87.6	95.1	95.6	96.0			97.6	98.1	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	67.6	95.1	95.6	96.0	96.5	96.9	97.6		98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	87.6	95.3	95.7	96.3	96.8	97.2	97.9	98.3		98.8	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.8	98.8	99.2	99.7	99.7	99.7	99.7	99.9	99.9
≥ 200	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.9	98.9	99.3	99.9	99.9	99.9	99.9	100.0	100.U
> 100	87.6	95.3	95.7	96.5	97.1	97.5	98.2			99.3	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	87.6	95.3	95.7	96.5	97.1	97.5	98.2	98.9	98.9	99.3	99.9	99.9	99.9	99.9	0.00	00.0

GLEBAL CLIMATOLOGY BRANCH USAFETAC AT- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1.414

HECTOR APT FARGO ND

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.Y.)

CEUNG							VIS	B.Lity ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥2	≥+%:	≥1%	≥1	≥ ¼	≥%	≥ ⊬:	≥ 5/16	≥ ¼	≥c
NO CEIUNG ≥ 20000	49.3	50.1 57.5	50.1 57.5		50.1 57.6	50.1 57.6	50.1 57.6		50.1 57.6	50.1 57.6	50.1 57.6	50 · 1 57 · 6	52.1 57.6	50.1 57.6	50.1 57.6	50. 57.
≥ 18000	56.4 56.5	57.6		57.8		57.8	57.8	57.8	57.8		57.8	57.8	57.8	57.8		57.
≥ 14000 ≥ 12000	57.5 59.2	58.8 60.4	58.8 60.4				58.9 60.6		58.9 60.6	58.9 60.6			58.9 60.6			
≥ 10000 ≥ 9000	6 <b>3.1</b>	64.9	64.9			65.0 68.1							65.0 68.1	65.J 68.1	65.0 68.1	
≥ 8000 ≥ 7000	66.9		69.3			69.4 72.4	69.4 72.4		-			69.4 72.4	69.4 72.4			
≥ 6000 ≥ 5000	71.5 73.5		73.9 76.0	74.0	74.0	74.D		74.0 76.3					74.0 76.3			
≥ 4500 ≥ 4000	74.7 76.1					77.6					77.6 79.2	77.6 79.2	77.6 79.2		77 6	77 79
≥ 3500 ≥ 3000	76.8 79.0		79.7			80.0 82.6		80.1 82.8	80.1 82.8		30.1 82.8	90.1 82.8	80.1 82.8	80.1 82.6	80.1 82.8	80 82
≥ 2500 ≥ 2000	81.8 83.8		85.3 87.6		85.7 86.1	85.7 88.2	86.D 88.5	86.0 88.5	86.0 88.5	86.0 88.5	86.0 88.5	86.0 88.5	86.0 88.5	86.J 88.5	86.5 88.5	86 88
≥ 1800 ≥ 1500	34.4 87.2		88.5 91.3	8 <b>8.9</b> 91.7		89.0 91.9		1							89.3 92.6	
≥ 1200 ≥ 1000	ರ8.2 ರ8.9					93.3			94.0 95.6				94.2 95.7			94 95
≥ 900 ≥ 800	89.0 89.0	93.8 94.0	94.0	94.7 95.0		95 • 6 95 • 8			96.4	_	96.7 96.9		96.7 96.9	96.7 96.9	96.7 96.9	96 96
≥ 700 ≥ 600	89.0	94.2		95 • 1 95 • 4		96.0 96.4			1				97.2 97.6			
≥ 500 ≥ 400	89.2 89.2		95.0 95.0	1		96.9 97.1		98.3 98.5		99.0	99.0	99.0	99.2 99.4	99.4	-	
≥ 300 ≥ 200	89.2		95.0 95.0		96.7 96.7	97.1 97.1	97.9	98.5 98.5	98.5	99.0	99.3	99.3		99.9	99.6	99
≥ 100 ≥ 0	89.2 89.2	54.7 94.7			96.7 96.7					99.0 99.0						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

CLUBAL CLIMATOLOGY BRANCH CAPETAC AL LEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 .14 HECTOR APT FARGO NO

74-81

100

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300 HOURS (L.S.T.)

CELUNG							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ v.	≥ 5/16	≥ ′₄	≥c
NO CEILING	95.1	55.7	56.0	56.0	54.B	56.0	56.D	56.0	56.0	56.0	56.C	56.€	56.0	56.5	56.0	56.0
≥ 20000	_ <b>აღ.</b> 9	59.6	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	6C.4	67.4	60.4
≥ 18000	59.6	60.3	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ :6000	59.6	<u>60.3</u>	61.7	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	აე.1	60.8	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ :2000	61.0	61.7	62.4	62.4	62.4	62.4	62.5	62.5		62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	54.2	64.9	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	65.6	66.3	66.9	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000 ≥ 7000	67.8	68.5	69.2	69.2	69.2		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
	70.7	71.4		72.2	72.2		72.4		72.4		72.4	72.4	72.4		72.4	72.4
≥ 6000 ≥ 5000	72.9	73.8	74.6	74 • 6	74.6		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	74.3	75.4	76.3	76.4	76.4	76.4		76.5			76.5	76.5	76.5	76.5	76.5	
≥ 4500 ≥ 4000	75.0	76.4	77.2	77.4	77.4	77.4	77.5	77.5		77.5	77.5	77.5	77.5	77.5	77.5	77.5
	76.7	78.3		79.4	79.4		79.6	79.6	79.6		79.6	79.6	79.6	79.6	79.6	79.6
≥ 3500 ≥ 3000	77.2	78.9	79.7	80.0	80.0		80.1	80.1	80.1	8C•1	80.1	80.1	80.1	80.1	60.1	90.1
	73.4	82.1	83.1	83.3	83.3		83.5		83.5	83.5	83.5	83.5		83.5	<b>83.5</b>	83.5
≥ 2500 ≥ 2000	62.1	85.1	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	83.9	87.1	88.2	88.9	88.9			89.0		89.0	89.0			89.5	69.0	89.3
≥ 1800	85.0	88.3	89.4	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
	85.8	89.4		91.4	91.5			91.9			91.9		91.9	91.9	91.9	91.9
≥ 1200	26.9	91.1		93•5	93.6		94.0		94.0		94.0	94.0	_	94.0	94.0	94.0
	H7.4	91.9			94.6			95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900 ≥ 800	67.8	92.8	94.3	95.1	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	A7.9	92.9	94.4	95.6	96.1			96.7		96.7	76.7	96.7			96.7	96.7
≥ 700 ≥ 600	88.2	93.2	94.7	95 • 8	96.5		97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2 800	38.3	93.6	95.4	96.8	97.5		98.1	98.2				98.3	98.3		98.3	98.3
≥ 500 ≥ 400	8.8 • 6	93.9	95.7	97.1	97.8		98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	88.6	94.0	96.1	97.6	98.3		98.9		99.2		60.3			99.3	99.3	99.3
≥ 300 ≥ 200	88.6	94.0	96.1	97.8	98.5		99.2	99.4	99.4		99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	88.6	94.0	96.1	97.8	98.5		99.3				100.0					
> 100	88.6	94.0	96.1		98.5		99.3	99.7			100.0					
≥ 0	38.6	94.0	96.1	97.8	98.5	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100•0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

The second second

SECRETAC SERVICE/MAC

## CEILING VERSUS VISIBILITY

11114

HECTOR APT FARGO ND

74-81

AFF

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEUNG			,				vis	B ( ** 57	ATUTE MIL	ES	•					
(FEET)	≥ :0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ 4	≥ %	≥ ٧.	≥ 5/16	≥ %	≥¢
NO CEILING	47.8	49.8	50.0	50.2	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	53.8
≥ 20000	53.7	55.0	55.2	_55• <u>5</u>	55.7	55.8	55.5	- 5 • D	56.0	56.0	56.0	56.3	56.3	56.0	56.3	56.1
≥ 18000	54.0	55.3	55.5	55.8	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	50.4
≥ 16000	:4.1	55.3	55.6	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.5
≥ 14000	54.3	56.0	56.3	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ ;500¢	56.	57 <b>.3</b>	57.6	57.9	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.6
20000 ≤	58.8	6∴.3	63.7	61.U	61.2	61.3				, ,	61.5	61.5	61.5	61.5	61.6	61.7
≥ 9000	60.3	61.9	62.2	62.6					63.1		63.1	63.1	63.1	63.1	63.2	53.3
≥ 8000	61.6	63.3	63.7	64.0	64.2	64.3		64.5		64.6	64.6	64.6		64.6	64.6	64.7
≥ 7000	64.1	66.0	66.4	66.7	66.9	67.3	67.2	67.3				67.3			67.3	67.4
≥ 6000	56.0	68.0	68.4	68.8	69.D	69.2				69.5	69.5	69.5	69.5		59.6	69.7
≥ 5000	67.7	70.0	70.5	70.9	71.1	71.3	71.5	71.6	71.6		71.7	71.7	71.7	71.7	71.8	71.9
≥ 4500	68.9	71.4	71.9	72.3	72.5			73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.3
2 400C	70.6	73.3	73.8		74.5	74.7	74.9		75.D	75.1	75.1	75.1	75.2	75.2	75.2	75.3
≥ 3500	71.4	74.1	74.7	75.1	75.4	75.6	75.8	75.9	75.9		- 1	76.3	76.1	76.1	76.1	76.3
≥ 3000	73.5	76.6	77.2	77.6	77.9	78.1	78 • 4	78.4	78.4	78.6		78.6	T8.6	78.6	78.7	78.8
≥ 2500	76.3	79.4	80.0	80.5	80.8	81.0	81.3	81.4	81.4	81.5	81.5	81.5	81.6	81.6	61.7	81.8
≥ 2000	78.1	81.6	82.4	83.0	83.3			84.0	84.0	84.1	84.1	94.1	84.2	84.2	34.2	84.4
≥ 1800	78.9	82.6	83.4	84.0	84.4	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.3	85.3	ಶ5.4	P5.5
≥ 1500	_30.9	85.1	85.9	86.5	86.9	87.2	87.7	87.8	87.8	87.9	88.0			88.0	88.1	58.2
≥ 1200	52 ∙ 5	87.2	88.1	88.9	89.4	89.7	90.3	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	93.9
≥ ,000	13.5	89.0	90.0	90.8	91.4	91.8	92.4			92.9					93.0	
≥ 900	84.1	90.0	91.1	92.0		93.1	93.8	94.0	94.0			- 1		94.6	94.6	94.8
≥ 800	84.3	90.4				93.7				95.0					95.3	
≥ 700	84.4	90.9	1	93.0	- 1										96.1	96.3
≥ 600	34.5	91.1	92.4	93.5					96.1	96.6						
≥ 500	84.6	91.3	92.6	93.8	94.9				96.7	97.2	97.3		1		97.6	97.7
≥ 400	84.7		92.9	94.2			96.8				98.0					98.4
≥ 300	34.7	91.6	93.0	94.4	95.6	96.1	97.2		97.7	98.4	98.6				98.9	99.1
≥ 200	34.7	91.6	93.0	94.5			97.4	97.9			99.0					
> 100	84.7	91.6	93.0	94.5	95.7			,	98.0	98.7	99.D	99.0	99.4	99.4	99.6	99.9
≥ 0	24.7	91.6	93.0	94.5	95.7	96.2	97.4	98.0	98.0	98.8	99.1	99.1	99.4	99.4	99.6	100.5

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SEURAL CLIMATOLOGY BRANCH 125 CTAC AT REATHER SERVICE/MAG

#### CEILING VERSUS VISIBILITY

15514 HECTOR APT FARGO NO

74-81

MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

LODB-0200

														•		
CELNG							VIS	8. ** 51	ATUTE MIL	£5						
(FEE')	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥ / ½	≥1%	≥ '	≥ 4	≥ %	≥ 4.	≥5/16	≥ %	≥c
NO CEILING	57.8			59.0			59.0					59.0			59.0	50.3
≥ 20000	64.4		65.6		65.6			65.6		65.6			65.6			
≥ 18000	64.5	* * * -		65.7		_	65.7	65.7	65.7							65.7
	04.5		65.7	65.7				65.7		65.7			65.7			
≥ '4000	65.2			66.4	66.4	66.4		66.4	66.4			66.4	66.4			66.4
≥ .5000	67.1									68.3						
30000 ≤	71.6	_								72.8				_	72.8	
≥ 9000	73.5				74.7					74.7					74.7	
≥ 8000	75.3	1	76.5			_				76.6			76.6	1	76.6	
≥ 7000	79.2				80.8					80.8						
≥ 6000	÷∵•9								82.5			82.5		82.5	32.5	
≥ 5000	52 • 1	83.5		<del></del>	84 • C	84.0				84.0			84.3		34.3	
≥ 4500	33.9					85.9				85.9		85.9		85.9		55.9
2 400C	8 <b>5.1</b>	86.7			87.4					87.4						P7.4
≥ 3500	⊴5.3	37.0			67.6	87.6			87.6		37.6		87.6			
≥ 3000	56.2	87.9	88.2							88.6						
≥ 2500	36.8	88.7	89.0		89.8		89.8						89.8			89.8
≥ 2000	ೆ8 - 3		90.7							91.7					91.7	91.7
≥ 1800	ា8.7	90.9	91.3				92.2									
≥ 1500	89.7	91.9	92.5	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	°3.5
≥ 1200	90 •6	92.9	93.5							95.2				95.2	1	
≥ ,000	°1.	94.1	94.8	95.6	96.4	96.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	91.1	94.4	95.0	95.8	96.6	96.8	96.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96 . F.
≥ 800	91.4	94.6	95.4	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	91.4	94.8	95.7		97.4					97.6				97.6		97.5
≥ 600	91.5	95.0	96.0	96.9	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	91.5	95.3	96.5	97.4	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7		98.7
≥ 400	71.5	95.6	96.9	98.0	98.8					99.2					99.2	99.2
≥ 300	91.5	95.7	97.0		99.1					99.7						99.9
≥ 200	91.5	95.8	97.2	98.4	99.2	99.5				99.9						
> 100		95.8			99.2					99.9						
≥ 0	91.5	95.8	<u>97.</u> 2	98.4	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	<u>10.7</u>

94

SELEAL CLIMATOLOGY PRANCH .. (FETAC AD - BEATHER SERVICE/MAC

## CEILING VERSUS VISIBILIT

1 14 HECTOR APT FARGO NO

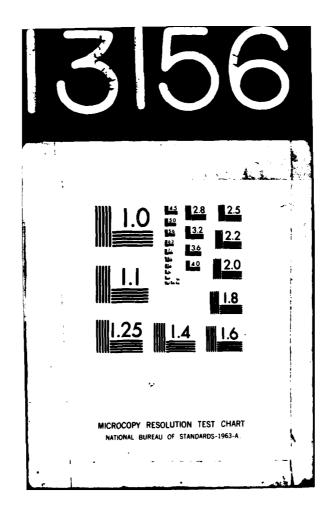
74-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1E4 NO							VIS	B . TY - 574	ATUTE MIL	E S	-	_				
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥ . %	≥1%	≥`	≥ %	≥ %	≥ ∨	≥ 5/16	2 a	≥,
NO CELLING	75.4	57.1	57.7	57.8	.7.8	57.8	57.8	57.8	57.8	57.8	57.8	57.3	57.8	57.3	57.8	-7
≥ 20000	ა≎•3	62.4	62.9	63 · J	63.	63.0	63.0	63.0			63.0	63.u	63.0	63.0	>3.€	53
≥ 18000	ພ≏•6	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	53.3	63.3	63.3	53.3	5.3
≥ .9000	$\sim 1.0$	63.J	63.6	53.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63
≥ '4000	0 • 2ذ	64.0	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	54.7	64
≥ .5000	62.4	64.9	65.5	65.6	65.6	65.6	65.6	65.6		65.6	65.6		55.6	65.6		
≥ 10000	69.3	71.1	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.0	7.2
≥ 9000	71.2	73.4	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74
≥ 800C	73.5	75.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.5	76.6	75.6	76.6	76.6	76
≥ 7000	77 • 8	80.1	81.0	P1.2	81.2	81.2	51.2	91.2	31.2	81.2	81.2	81.2	01.2	81.2	31.2	٤ 1
≥ 6000	77.6	82.0	82.9	83.1	83.1	83.1	33.1	83.1	83.1	83.1	83.1	83.1	83.1	53.1	03.1	43
≥ 5000	aŭ•8	83.2	84.1	84.5	84.7	84.7	84.7	F4 . 7	84.7	84.7	84.7	84.7	64.7	54.7	34.7	54
≥ 450C	11.6	84.0	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	65.5	85.5	55.5	5 <b>5.</b> 5	55.5	5.5
₫ 400C	52.4	24.9	85.9	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86 + 6	96.€	86.6	86
≥ 350C	53.3	85.9	86.9	87.4	87.5	87.5	57.8	87.8	87.8	87.8	37.8	87.8	87.8	57.5	57.R	8.8
≥ 3000	-3.9	86.6	87.5	88.0	88.2	88.2	98.4	88.4	88.4	88.4	89.4	88.4	B 2 . 4	88.4	J8.4	9.6
≥ 2500	გ5.2	88.2	89.1	99.9	90.1	90.2	90.6	90.6	90.6	90.6	90.5	90.6	97.6	90.€	90.6	υIJ
₹ 2000	56.€	89.4	90.5	91.3	91.4	91.5	91.9	91.9	91.9	91.9	91.0	91.9	91.9	91.9	91.9	92
2 '800	-6.D	29.4	90.5	91.3	91.4	91.5	91.9	91.9	91.9	91.9	91.9	01.9	91.9	91.9	91.0	92
≥ 1500	46.4	89.9	91.0	91.8	91.9	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92
≥ 1200	.8.4	92.3	93.4	94.2	94.5	94.6	95.D	95.0	95.C	95.0	95.C	95.0	95.0	95.0	95.0	95
≥ .000	<b>9.7</b>	92.7	94.	94.8	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95
2 900	F 8 . 9	93.	94.2	95.2	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.0	36
≥ 800	89.0	93.1	94.4	95.4	95.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96
≥ 700	89.1	93.4	94.8	95.8	96.2	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	36.9	97
≥ 600	89.4	93.7	95.2	96.2	96.6	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97
≥ 500	89.4	94.0	95.4	97.0	97.4	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	96.3	¥8.3	98
≥ 400	89.5	94.1	95.6	97.4	98.0	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99
≥ 300	89.5	94.1	95.6	97.4	98.1	98.4	99.	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99
≥ 200	89.5	94.1	95.6	97.4	98.3	96.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	L CO
> 100	89.5	94.1	95.6	97.4	98.3	95.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100
≥ 0	89.5	94.1	95.6	37.4	99.3	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	ı da
L			<del>, , , ,</del> ,	1								لننا				

TOTAL NUMBER OF OBSERVATIONS

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U) AD-A113 156 JAN 82 USAFETAC/DS-82/001 UNCLASSIFIED SBI-AD-E850 137 · NL 3 6



CLC AL CLIMATOLOGY BRANCH CONFETAC AT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1-514

HECTOR APT FARGO ND

74-81

MAY

TATION

STATION NAME

3630-3800 HOURS (LE.T.)

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	18:L-74 ST/	ATUTE MIL	<b>E</b> S						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥2	≥∙⊁	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ %	≥0
NO CEILING	4.6	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	59.7	61.7	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	57.5	61.8	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ ,9000	59.9	62.3	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	61.6	63.6	64.1	64 - 1	64.1	64.1	64.2	64.2	64.2	64.2	64 • 2	64.2	64.2	64.2	64.2	64 • 2
≥ :2000	63.3	65.6	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ :0000	67.5	70.6	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.6	71.6	71.6
≥ 9000	65.8	72.2	73.0		73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.4	73.4	73.4
≥ 8000	70.4	73.9	74.7	74.7	74.7		74.9	74.9			74.9	74.9	75.0		75.1	75 - 1
≥ 7000	12.7	76.9	77.7	77.7	77.7	77.7	77.8			77.8	77.8	77.8	78.3	78.1	78.1	76.1
≥ 6000	75.1	79.7	87.5	80.5	80.5		80.6	80.6			80.6	80.6	80.8		80.9	80.9
≥ 5000	77.7	81.9	82.8	82.8				82.9			82.9		83.1		83.2	83.2
≥ 4500	78.3	82.8	83.7	83.7	€3.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.3	84.1	84.1	84.1
≥ 4000	70.8	84.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0		86.2	86.2
≥ 3500 > 3500	80 • 1	85.2			86.2					-				86.6	86.6	86.6
≥ 3000	31.2	87.0						88.3		-	88.3				88.6	
≥ 2500	81.7	87.9		89.0			-				89.5			89.8	89.8	
≥ 2000	€2.9		93.3								91.0					91.3
≥ 1800	<b>⊬3.6</b>	90.2			91.7						92.1	92.1	92.2		92.3	
≥ 1500	$\overline{}$		92.5											93.5		
≥ 1200	64.9		93.0	93.1	93.4			94.1			94.1	94.1		94.4	94.4	94.4
≥ ,000	85.5		93.7								95.3				95.6	
≥ 900 ≥ 900	86.g	92.9	1	- 1		95.4	96.1	96.1	96.1		96.1	96.1	96.2		96.4	96.4
≥ 800	56.7		94.2		95.0			96.1			96.1	96.1	96.2			
≥ 700	56.2	93.0						96.2			96.2		96.4	96.5	96.5	96.5
≥ 600	56.3		95.2					97.2			97.2					
≥ 500	06.3		95.2	95.8							97.7					
≥ 400	66.3		95.4					98.7								
≥ 300	56.3	93.8							99.3						99.6	99.6
≥ 200	86.3		95.6			98.1					99.7			100.0		
≥ 100	86.3		95.6		1	98.1		99.7			99.7	- 1	_			
≥ 0	86.3	94.0	95.6	96.4	96.8	98.1	99.3	99.7	99.7	99.7	99.7	99.7	99.9	00.0	100.0	1 <b>00.</b> 0

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SLOWAL CLIMATOLOGY BRANCH US/FETAC ASE CEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1--14

HECTOR APT FARGO NO

74-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U930-1103

CELLNG							٧١S	iB:L:TY ST	ATUTE MIL	ES						
(FEE')		≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	۱≤	≥ ¼	≥ %	≥ ٧:	≥ 5/16	≥ 4	≥¢
NO CELLING	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 18000	64.5	65.1	65.1	65.1	65.1	65.1	65 • 1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
5 .9000	54.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000	÷5.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ ,500€	67.1	68.3	68.3	68.3	68.4		68.4				68.4	68.4	68.4	68.4	68.4	
2 100001 ≤	69.9	71.4	71.4		71.5	71.5			71.5		71.5	71.5		71.5	71.5	71.5
≥ 9000	71.9	72.6	72.6		72.7	72.7		72.7	72.7		72.7	72.7	72.7	72.7	72.7	
≥ 8000	72.7	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	73.8	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	
≥ 6000	74.7	77.2	77.2	77.2	77.3	77.3	77.3			77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	76.5	79.9	78.9	79.2	79.4	79.4	79.4				79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	76.9	79.4	79.4	79.7	8C.D	80.0	80.0	80.0	80 - 0	80.0	80.0	80.0	80.0	80.0	0.08	80.0
≥ 4000	77.8	87.6	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3 <b>50</b> 0	78.9	81.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	80.9	84.4	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	82.7	86.2	86.2	86.4	86.7	86.7	86.7			86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ <b>200</b> 0	85.6	89.4	89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	86.7	90.5	90.5	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	58.6	92.6	92.6	93.0	93.7	93.8	94.D	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.D	94.0
≥ 1200	89.7	94.1	94.1	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ ,000	90.3	95.0	95.0	95.4	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	90.5	95.4	95.4	95.8	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	90.7	95.7	95.7	96.1	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	91.0	96.1	96.1	96.5	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	91.4	96.6	96.8	97.2	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	91.4	96.9	97.0	97.4	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	91.5	97.2	97.4	97.8	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	71.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.5	97.2	97.4	97.8	98.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
> 100	91.5	97.2	97.4	97.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.5	97.2	97.4	97.8	98.9	99.5	100.0	1100.0	100.0	100.0	100.0	100-0	0.00	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

SL FAL CLIMATOLOGY BRANCH - STATE REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 14

HECTOR APT FARGO ND

74-81

VAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 Hours (La.Y.)

CEILING							VIS	iBility ST	ATUTE MIL	ES						
(FEE's	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥2	≥:%	≥1%	≥1	≥ %	≥ %	≥ %:	≥5/16	≥ '&	≥0
NO CEIUNG	⁻3∙2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	59.8	60.1	60.1	60.1	60.1	60.1	60.1		60.1		60.1	60.1	60.1	60.1	6C-1	60.1
≥ 18000	59.9	60.2	60.2	60.2	60.2		60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	50.2	60.2
≥ :6000	59.9	60.2	67.2	60.2	67.2				60.2		60.2	60.2	60.2	60.2	60.2	
≥ 14000 ≥ 12000	v0.∙8	61.0	61.0	61.0	61.0	61.0					61.0	61.0	61.0	61.0	61.0	61.0
<b></b>	62.7	63.2	63.2	63.2	63.2				63.2	63.2	63.2	63.2	63.2	63.2		<del></del> -
20000: ≤	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
	67.7	68.3	68.3	68.3	66.3	68.3			68.3	68.3	68.3	68.3	68.3	68.3		
≥ 9000 ≥ 7000	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
	77.8	71.6	71.6	71.6	71.6	71.6			71.6	71.6	71.6	71.6	71.6	71.6		71.6
≥ 6000 ≥ 5000	73.3	74.1	74 • 2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2 3000	76.5	77.3		77.6	77.7		77.7	77.7			77.7	77.7	77.7			77.7
≥ 4500	76.9	77.8	78.7	78.1	78.2	78.2	78 • 2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 400C	79.8	80.8	80.9	81.0	81.2	81.2			81.2		81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	01.7	82.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	A3.2
≥ 3000	84.4	85.5	85.8	85.9	86 • D			86.0	86.0		86.0	86.0	86.0			
≥ 2500	38.7	90.6	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	90.6	92.6		93.3	93.4				93.4	93.4	93.4	93.4	93.4	93.4		93.4
≥ 1800	91.7	93.7	94.1	94.4	94.6			94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	93.3	95.4	95.8	96.1	96.4	96.5				96.5	96.5	96.5	96.5	96.5		96.5
≥ 1200	94.0	96.1	96.6	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ ,000	94.2	96.5	97.3	97.6	97.8	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ <b>90</b> 0	94.5	97.0	97.6	98.1	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.5	97.3	97.8	98.4	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.5	97.4	98.0	98.5	98.8	99.1	99.2	99.3	99.3	99.3	36 (1	₹ - <b>3</b>	99.3	99.3	99.3	99.3
≥ 600	94.5	97.4	98.0	98.5	98.8	99.3	99.5	99.6	99.6	99.6	99.	į,	99.6	99.6	99.6	99.6
≥ 500	94.5	97.4	98.0	98.5	98.8	99.3	99.5	99.6	99.6	99.6	99.0		39.6	99.6	99.6	99.6
≥ 400	94.5	97.4	98.0	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.	99.9	99.9	99.9	99.9
≥ 300	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	0.001	100.0	100.0
≥ 200	94.5	97.4	98.Q	98.5	99.1	99.7	99.9	100.0	100.0	100.0	100.0	00.0	00.0	00.0	100.0	100.0
> 100	94.5	97.4	98.0	98.5	99.1	99.7	99.9	100.0	100.0	100.0	0.00	100.0	100.0	00.0	0.00	0.00
≥ 0	94.5	97.4	98.	98.5	99.1	99.7	99.9	100.0	100.0	100.0	00.0	100.0	00.0	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS .....

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS ENTIRES OF THIS PORM ARE ORGOLE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AT: "EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEILING							v:S	B.LITY ST	ATUTE MIL	€5						}
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	49.7 59.1	50.9 60.6	52.9 68.6							50.9 60.6	50.9 60.6	50.9 60.6		50.9 60.6	50.9 60.6	50.9
≥ 18000 ≥ 16000	59.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.R	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 14000	59.6 60.4	61.9	61.9	61.9	61.9	61.9		61.9	61.9	61.9	61.9	61.1	61.9	61.9	61.9	
≥ :2000	63.5	65.0 70.4	65.0 70.4	70.4	65.0 70.4	65.0 70.4	65.0 70.4	65.0 70.4	65.0 70.4	65.0 70.4	65.C	65.3 70.4		65.C		70.4
≥ 9000	70.5	72.1	72.1	72.1	72.1	72.1	72.1 73.1	72.1	72.1	72.3	72.3	72.3		72.3	72.3	72.3
≥ 7000 ≥ 6000	73.6	75.4	75.4	1	75.4		75.4	75.4	75.4	75.5	75.5 79.8	i	75.5			75.5
≥ 5000	61.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500 ≥ 4000	83.3 84.9	85.3 87.2	85.3 87.2	85 <b>.3</b> 87 <b>.</b> 2	85.3 87.2			85.3 87.2	85.3 87.2		85.5 87.3		87.3	85.5 87.3	87.3	
≥ 3500 ≥ 3000	86.1	88.4 92.2	88.4		88.4 92.3		88.4 92.3	88.4 92.3	88.4 92.3	88.6 92.5	88.6 92.5	88.6 92.5		88.6 92.5		88.6 92.5
≥ 2500 ≥ 2000	90.6	93.8			93.9			93.9 95.2			94.1	94.1 95.3		94.1	94.1	94.1
≥ 1800 ≥ 1500	92.1	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7		95.8	95.8	95.8	95.8	95.8	95.8 96.6
≥ 1200 ≥ 1000	93.0	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	93.1	97.6				97.7				97.8	97.8	97.8		97.8	97.8	
≥ 800	93.4	98.0 98.1		98.1	98.3	98.4		98.3						98.4		
≥ 600	93.4	98.1	98.3	98.3	98.5						98.5			98.5		
≥ 400	93.4	98.1	98.3	98.5	98.8	98.8	99.3	99.6	99.6		99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	93.4	98.1	98.3	98.7 98.7	98.9	98.9	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.3
≥ 100 ≥ 0	93.4	98.1 98.1		98.7 98.7						100.0						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

GLOBAL CLIMATOLOGY BRANCH SEFETAC ATH REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

15914

HECTOR APT FARGO ND

74-81

MAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1839-2003

CEILING							V15	BILITY ST	ATUTE MIL	<b>E</b> S						
(FEE?)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥≀	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	55.1 65.5	55.9 66.3	55.9 66.3	55 • 9 66 • 3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3	55.9 66.3
≥ 18000 ≥ 16000	65.6 65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4 66.7	66.4	66.4	66.4	66.4	66.4
≥ 14000 ≥ 12000	66.7 68.2	67.5 69.0	67.5	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5 69.0	67.5	67.5 69.0
00001 ≤	73.0 75.3	74.0		74 • D 76 • 5	74.0 76.5	74.0	74.0 76.5	74.0 76.5	74.0	I .	74.0 76.5	74.0 76.5	74 • 0 76 • 5	74.0 76.5	74.3 76.5	74.3 76.5
≥ 8000 ≥ 7000	77.6 a3.4	73.9		78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8	78.9 81.8
≥ 6000 ≥ 5000	83.4 85.7	84.8 87.2	84 • 8 87 • 2	84 • 8 87 • 2	84.8	84.8 87.2	84.8 87.2	84.8	84.8 87.2	84.8 87.2	84.8 87.2	84.8 87.2	84.8	84.8 87.2	84.8 87.2	84.8 87.2
≥ 4500 ≥ 4000	ਨ <b>6.9</b> 88.4	88.8 90.3	88.8 90.3	88.8 90.3	88.8	88.8 90.3	88 • 8 90 • 3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	38.8 90.3	88.8 90.3
≥ 3500 ≥ 3000	89.6 91.2	91.5 93.3	91.5 93.3	91.6 93.4	91.6 93.4	91.6 93.4		91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4	91.6 93.4
≥ 2500 ≥ 2000	92.3 92.6	94.6 95.0	95.1	94.9 95.3	94.9 95.4	94.9			94.9 95.5						94.9 95.5	
≥ 1800 ≥ 1500	92.6	95.1 96.2		95 • 4 96 • 5	95.5			95.7 96.8			95.7 96.8	95.7 96.8	95.7	95.7 96.8	95.7 96.8	95.7 96.8
≥ 1200	93.3	96.4	96.6	96.8	96.8			96.9 97.2	96.9	97.2	96.9 97.2	96.9 97.2	96.9	96.9	97.2	96.9
≥ 900 ≥ 800	93.4	96.6	97.3				97.8					97.8		97.3 97.8		97.3
≥ 700 ≥ 600	93.4	97.6	97.8		98.1	98.1	98.5		98.7	98.7	98.4	98.4		98.4 98.7 99.1	98.4	98.4
≥ 500 ≥ 400 ≥ 300	93.5 93.5	97.8 97.8	98.0	98.2 98.2	98.4 98.4	98.4 98.4	98.8 99.1 99.2	99.1 99.5		99.6	99.1 99.6	99.1 99.6			99.1 99.6	99.1
≥ 200	93.5 93.5	97.8	98.0	98.2		98.4	99.2		99.7	100.0	100.0	100.0	100.0	100.0	0.001	100.0
≥ 100 ≥ 0	93.5	97.8		98.2							100.0					

TOTAL NUMBER OF OBSERVATIONS \_\_\_

741

GLUPAL CLIMATOLOGY BRANCH USAFETAC ALS WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1--14

HECTOR APT FARGO NO

74-81

MAY

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE 2103-2300

(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING IFEE'S ≥2% ≥ 5/16 NO CEILING 57.8 58.4 > 20000 64.7 65.4 ≥ 18000 ≥ '6000 ≥ 14000 ≥ :2000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 2000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 400C 3500 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 1200 900 700 91.4 600 <u>></u> 500 2 300 200 91.4

TOTAL NUMBER OF OBSERVATIONS

GLESAL CLIMATOLOGY BRANCH DATETAC A: "FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HEGTOR APT FARGO NE

74-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CELING							VIS	BILITY ST.	ATUTE MIL	ES						]
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ₩.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	55.0 52.2	56.0 63.4	56.1 63.5	56 • 1 63 • 5	56.1 63.5	56.1 63.5	56.1 63.5	56 • 1 63 • 5	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5	56.2 63.6
≥ 18000 ≥ 16000	62.3	63.5 63.7	63.7 63.8	63.7 63.8	63.7 63.8	63.7 63.8	63.7 63.8	63.7 63.8	63.7	63.7 63.8	63.7 63.8	63.7	63.7 63.8	63.7 63.8	63.7 63.8	
≥ 14000 ≥ 12000	53.5 65.3	66.6	7.71	64 • 8 66 • 7	64 • 8 66 • 8	64.8		64.8 66.8	64.8 66.8		64.8	66.8	66.8	64.8 66.8		
≥ 10000 ≥ 9000	69.7 71.5	71.2 73.0		71.4 73.2	71.4 73.2	71.4 73.2	71.4 73.3	71.4 73.3	71 • 4 73 • 3			71.4	71.5	71.5 73.3	73.3	73.3
≥ 8000 ≥ 7000	73.2 75.9	74.8 77.8	78.0	75.1 78.0	75.1 78.0			75.1 78.1	75.1 78.1	75.1 78.1	75.1 78.1	75.1 78.1	75.1 78.1		75.1 78.1	75.2 78.1
≥ 6000 ≥ 5000	78.2 50.3	80.2 82.5	82.7	80.5 82.9		83.0			83.C	80.5 83.0	80.5 83.0			80.5 83.0		83.1
≥ 4500 ≥ 4000	52.9	83.6	85.7		85.9						86.D				86.0	86.0
≥ 3500 ≥ 3000	34.0 5 <b>5.6</b>	86.5	88.7	87.0 88.9		89.0	89.1	87.1 89.1	87.1 89.1	87.1 89.1	87.1 89.1	87.1 89.1	87.1 89.1	87.1	87.1	89.2
≥ 2500 ≥ 2000	87.1 98.5	90.3	92.3	90.9 92.5			91.2 92.9	91.2	92.9	92.9	91.2 92.9		93.0		93.0	93.0
≥ 1800 ≥ 1500	89.0 89.9	92.4	94.1	93.2	94.6	94.7			94.8	94.9		93.6	93.6	93.6	93.6	94.9
≥ 1200	90.6 90.9	95.0	95.6	95.3 96.0	96.3	96.4	95.9 96.7		96.7	96.7	96.7	95.9 96.7	96.7	96.8	96.8	96.8
≥ 900 ≥ 800	91.1 91.2	95.4	96.3			96.9	97.5				97.1 97.6	97.1 97.6	97.2 97.6 97.9	97.2 97.6	97.6	97.6
≥ 700 ≥ 600	91.4	95.9	· ·	97.4	97.7	97.9	98.3	97.8 98.4 98.8	97.8 98.4	97.9 98.4 98.8	97.9 98.4 98.8	98.4	98.4	98.4	98.4	98.5
≥ 500 ≥ 400	91.4 91.5	96.4	97.2	97.6 97.9	98.4	98.3 98.7 98.9	98.7 99.2	99.4	99.4	99.4	99.4	98.8 99.4	98 · 8 99 · 4	99.5	99.5	
≥ 300 ≥ 200	91.5	96.5	97.4	98.1 98.1	98.6	99.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
> 100 > 0	91.5	96.5	1 * : * 1	98.1	98.6			99.8	99.8	99.9	99.9	99.9	99.9	99.9		00.0

5944 TOTAL NUMBER OF OBSERVATIONS \_

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

SECRAL CLIMATOLOGY BRANCH JSAFETAC AI: FATHER SERVICE/MAC

400

200

2 2 300

#### CEILING VERSUS VISIBILITY

1' 714

HECTOR APT FARGO ND

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE

3**030-020**0 HOURS (L.S.T.)

(FROM HOURLY OBSERVATIONS) VISIBILITY STATUTE MILES CEILING (FEET) ≥ 5/16 ≥ 3 ≥ 21/. ≥ 6 ≥ 5 ≥:% NO CEILING 70.7 71.8 71.9 > 18000 ≥ 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 > 5000 ≥ 4500 ≥ 3500 ≥ 3000 93.1 95.6 95.8 95.8 95.8 95.8 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.1 96.1 96.1 96.1 96.1 93.6 96.1 96.4 96.5 96.5 96.7 96.7 96.7 96.7 96.7 96.7 96.8 96.8 96.8 96.8 ≥ 2500 > 2000 

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 ≥ 1800 ≥ 1200 ≥ ,000 V 1V 800 95.1 98.8 99.0 700 95.1 98.8 99.0 95.1 98.9 99.2 95.1 99.0 99.4 500

TOTAL NUMBER OF OBSERVATIONS \_\_\_

99.7 99.9 99.9 99.9 99.9 99.9 99.9 00.00.00.00.00.00.00.0

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET

99.0 99.4

75.1 99.0 99.4

99.0

99.7

99.6

GLIBAL CLIMATOLOGY BRANCH JUAFETAC AT TEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 914

HECTOR APT FARGO ND

73-80

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2300-0500 HOURS (L.S.T.)

VISIBILITY STATUTE MILES CEILING IFEETS ≥۵ ≥2% ≥:½ ≥1% ≥ % ≥ 5/16 57.8 59.3 59.4 59.9 60.0 60.0 60.7 60.7 60.7 60.8 60.8 60.8 61.3 61.3 61.3 NO CEIUNG 51.3 61.5 ≥ 20000 65.3 66.8 66.9 67.4 67.5 67.5 68.2 68.2 68.2 68.5 68.5 68.5 68.6 68.6 68.6 68.9 69.2 ≥ 18000 65.8 67.4 67.5 67.9 68.1 68.1 68.8 68.9 68.9 69.2 69.2 69.2 69.3 69.3 69.6 69.9 ≥ 16000 67.5 69.0 69.2 69.6 69.7 69.7 70.4 70.6 70.6 70.8 70.8 70.8 71.0 71.0 71.3 71.5 70.7 72.2 72.4 72.8 72.9 72.9 73.6 73.8 73.8 74.0 74.0 74.0 74.0 74.2 74.2 74.4 74.7 73.5 75.0 75.1 75.6 75.7 75.7 76.4 76.5 76.5 76.8 76.8 76.8 76.8 76.9 76.9 77.2 77.5 ≥ 14000 ≥ 10000 ≥ 9000 77.4 79.4 79.6 80.0 80.1 80.1 80.8 81.0 81.0 81.3 81.3 81.3 81.4 81.4 81.7 81.9 78.6 8D.8 81.0 81.4 81.5 81.5 82.2 82.4 82.4 82.6 82.6 82.6 82.8 82.8 83.1 83.3 51.1 83.6 83.6 84.2 84.3 84.3 85.0 85.1 85.1 85.4 85.4 85.4 85.6 85.6 85.6 85.8 86.1 81.7 84.2 84.3 84.9 85.6 85.7 85.7 86.0 86.0 86.0 86.1 86.1 86.1 86.1 86.7 83.2 85.6 86.0 86.4 86.5 86.5 87.2 87.4 87.4 87.6 67.6 87.6 87.6 87.8 87.8 88.1 88.3 88.5 86.1 86.3 86.7 86.8 86.8 87.5 87.6 87.6 87.9 87.9 87.9 88.1 88.1 88.3 88.6 ≥ 8000 ≥ 7000 ≥ 5000 ≥ 4500 ≥ 4000 24.6 57.4 87.6 88.1 88.2 88.2 88.9 89.0 89.0 89.3 89.3 89.3 89.4 89.4 89.7 90.3 85.0 87.9 88.2 88.8 88.9 88.9 89.6 89.7 89.7 90.0 90.0 90.0 90.1 90.1 90.4 90.7 86.3 89.6 90.0 90.0 90.7 90.7 91.4 91.5 91.5 91.8 91.8 91.8 91.9 91.9 92.2 92.5 ≥ 3500 ≥ 3000 57.1 90.7 91.1 91.7 91.8 91.8 92.5 92.6 92.6 92.9 92.9 92.9 93.1 93.1 93.3 93.6 87.8 91.5 92.1 92.6 92.8 92.8 93.5 93.6 93.6 93.9 93.9 93.9 94.0 94.0 94.0 94.3 94.6 57.9 91.7 92.2 92.8 92.9 93.6 93.8 93.8 94.0 94.0 94.2 94.2 94.4 94.7 ≥ ≥ 2000 ≥ 1800 1500 88.2 91.9 92.5 93.1 93.2 93.2 93.9 94.0 94.0 94.3 94.3 94.3 94.4 94.4 94.7 95.6 

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TOTAL NUMBER OF OBSERVATIONS \_\_\_

720

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

400 200

100 ?

90.6 95.3 96.4

93.6 95.3 96.4

97.2 97.4 97.4 98.3 98.5 98.5 98.8 98.8 98.8 98.9 98.9 99.2 99.9

SLEBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 614

HECTOR APT FARGO NO

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 1630<u>-</u>0800 HOURS (L.S.T.)

CEILING	· · · · · · ·		·				vis	BILITY ST	ATUTE MILI	ES						
(FEE <sup>7</sup> )	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21/.	≥ 2	≥+%	≥1%	≥1	≥ ¼	≥ %	≥ ⊬:	≥ 5/16	≥ ¼	≥0
NO CEILING	55.6	57.1	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.5	58.5
≥ 20000	62.6	64.2	65.1	65.1	65.4	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.4	66.4
≥ 18000	62.9	64.4	65.4	65.4	65.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.8	66.8
≥ '6000	63.1	64.7	65.7	65.7	66.0	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.1	67.1
≥ 14000	54.3	66.0	66.9		67.2	67.8		68.1	68.1	68.1	68.1	63.1	68.2	68.2	68.3	68.3
≥ :2000	67.6	69.7	73.7		71.0	71.5			71.8	71.8	71.8	71.8	71.9	71.9	72.1	72.1
≥ 10000	72.4	74.6	75.6			76.4		76.7	76.7	76.7	76.7	76.7	76.8	76 • 8	76.9	76.9
≥ 9000	74.7	77.2				79.0			79.3	79.3	79.3	79.3		79.4	79.6	79.6
≥ 8000	76.3	79.2	80.1	80.1	80.4	81.0			81.3	81.3	81.3	81.3	81.4	61.4	61.5	81.5
≥ 7000	78.9	81.9	82.9						84.2	84.2	84.2	84.2	84.3	84.3	34.4	84.4
≥ 6000	79.7	82.8	83-8		84.0	84.6			85.0		85.0	85.0	1	85.1	85.3	85.3
≥ 5000	81.3	84.3	85.3	85.4		86.3			86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9
≥ 4500	81.3	84.3	85.3			86.3			86.7	86.7	86.7	86.7	86.8	86.8	56.9	86.9
≥ 4000	81.8	85.0	86.0		86.4	86.9					87.4	87.4	87.5	87.5	87.6	87.6
2 3500 ( ≥ 3000	51.9	85.6	86.5		86.9	87.5			87.9		87.9	87.9	88.1	88.1	68.2	88 - 2
	82.4	86.3				88.5			88.9		88.9	88.9	89.0		89.2	89.2
≥ 2500 ≥ 2000	82.9	86.8			88.5	89.0			89.4		89.4	89.4	89.6	89.6	89.7	89.7
	64.9	89.7			91.7	92.2			92.8		92.8	92.8				93.1
≥ 1800 ≥ 1500	a5.1	90.0	91.1			92.5			93.1		93.1	93.1	93.2	93.2	93.3	93.3
	b <b>5</b> • 7	90.6		92.1				93.8				93.8			94.3	
≥ 1200	56.5	91.5			93.6				94.7		94.7	94.7	94.9	94.9	95.0	95.0
	67.4	92.6		94.2		95.3		95.8				95.8				96.1
≥ 900 ≥ 800	37.9	93.3	94.6			96.0					96.5	96.5		96.7	96.8	96.8
<del></del>	98.2	93.9		95.6	96.1	96.7					97.4	97.4	97.5		97.6	
≥ 700 ≥ 600	88.2	93.9			96.7	97.2				97.9	-	97.9		98.1	98.2	98 - 2
	8.8	94.4			97.2				98.6		98.6	98.6		98.8	98.9	
≥ 500 ≥ 400	88.8	94.6		96.7	97.5	98.1			99.0							
	88.8	94.6		96.7	97.5	98.1			99.0			99.0				
≥ 300 ≥ 200	68.8	94.6	96.3	96.7	97.5				99.0		99.2	99.2	99.3		99.4	99.6
	88.8	94.6		96.7					99.0			99.2	99.3	99.4	99.6	
≥ 100	88.8	94.6		96.7	97.5				99.D		99.2	99.2			99.6	
لــــــــــــــــــــــــــــــــــــــ	88.9	94.7	96.4	96.8	97.6	98.2	77.0	99.2	77.2	99.3	77.3	99.3	99.6	99.7	44.4	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLUTAL CLIMATOLOGY BRANCH CACETAC AT EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 14

HECTOR APT FARGO NO

73-80

JUN

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1170

CER NO				-			VIS	18 L. 7 Y ST.	ATUTE MIL	<b>E</b> S						
(FEE*)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ( ½	≥١%	<u>&gt;</u> '	≥ ¼	≥%	≥ 4:	≥ 5/16	2 4	≥c
NO CEIUNG	59.1 5 <b>6.</b> 1	63.3	1 1	60.4 67.4			60.6 67.5						60.6 67.5	60.6 67.5		60.6 67.5
≥ 18000 ≥ 16000	66.0 66.1	67.2 67.4		67.4 67.5	1	67.5 67.6			67.5 67.6		-		67.5 67.6	67.5 67.6		67.5 67.6
≥ '460C ≥ '200C	67.5 69.6	0000	1 7 7 7	68.9 71.3			- 1		69.0 71.4	69.0 71.4			69.0 71.4	69.3	_	
20000 ≤	73.5 74.7	75.1 76.5		75.3 76.7						75.4 76.8		_	75.4 76.8	75.4 76.8		75.4 76.0
≥ 8000 ≥ 7000	76.7 78.9			78.9 91.4				81.8	81.8	79.2 61.8	81.8		79.2 81.8			79.2 81.8
≥ 6000 ≥ 5000	79.2		1 1		82.1 84.2		82.4 84.4		82.4 84.4	82.4 84.~	82.4 84.4		82.4			82.4 84.4
≥ 4500 ≥ 4000	31.3 51.9	85.3	85.4		85.6	85.7		85.8	85.8	85.1 85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500 ≥ 3000	52.8 53.8	87.9	88.2		88.3	88.6	88.8		88.8	86.9	88.8	86.8	58.8	68.8	88.8	86.9 88.8
≥ 2500 ≥ 2000	34.9 96.3	90.6	90.8	90.8	91.0	91.4	91.7	91.7	91.7	90.0	91.7	91.7	91.7	91.7	91.7	
≥ 1800	89.2		94.2	94.2	94.4	94.9		95.1	95.1		95.1	95.1	95.1	95.1	95.1	95.1
≥ :200	91.1		96.3		96.7	97.1	97.4		97.4	96.7	97.4	97.4	97.4	97.4	97.4	
≥ 900 ≥ 800	91.8	97.1			98.1	98.5	98.8	98.8	98.8	98.5	98.8	98.8	98.8	98.8	98.8	98.3
≥ 700 ≥ 600	92.5 92.6	98.1	98.3	98.3	98.5 99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.2 99.7	99.7	99.7	
≥ 500 ≥ 400	92.6 92.6	98.2	98.5	98.5	99.2 99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0	130.0	00.0
≥ 300	92.6		98.5	98.5	99.2	- 1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	160.0	130.0	00.0
≥ 100 ≥ 0	92.6												100.0			

#### CEILING VERSUS VISIBILITY

1 914 HECTOR APT FARGO NO

73-80

STATION NAME

1200-1400 HOURS (L.S.T.)

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Eic NO							٧١S	B . TY STA	ATUTE MIL	<b>E</b> 5						
FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥۱%	≥1	2 %	≥ %	≥ 7	≥ 5/16	≥ 4	≥¢
	1.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	31.5	51.5
	6E.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	63.6	60.6	60.6	60.6	63.6	63.6
18000	+ 3	60.6	60.6	60.6	60.6	5J.6	60.6	60.6	60.6	60.6		60.6	65.6	60.5	60.6	60.5
18000	ES.1	63.7	60.7	60.7	60.7	63.7	$\overline{}$	$\longrightarrow$		60.7		60.7	60.7	65.7	30.7	63.7
	69.6	61.1	61.1	61.1	61.1	61.1			61.1		61.1	61.1	61.1	51.1	61.1	61.1
	54.4	65.0	65.	65 • C		65.0					-	65.3	65.0		55.D	65.7
	69.2	69.9	69.9	69.9	69.9	69.9			69.9			69.7	69.9	69.9	69.9	69.9
9000	70.0	70.7	70.7	70.7	70.7	70.7					-		70.7		73.7	
	71.8	72.6	72.€	72.6	72.6	72.6	-		72.6		1	72.6	72.6		72.6	72.6
	74.7	75.0	75.0	75.U	75.D	75.0		75.0		75.0		75.3			75.0	75.0
	75.4	76.9	76.9	76.9	76.9	76.9						76.9	76.9			76.9
	60 · 1	82.1	82.1	82.1	82.	82.1			82.1		٤2.1	82.1	52.1	€2.1		92.1
	21.7	83.9	83.9	83.9	83.9	83.9					1 1	83.9	83.9		83.9	53.9
	54.4	86.9	86.9		86.9	86.9			86.9			87.1	87.1		57.1	57.1
	35.0	67.6	87.6	1	87.8	87.8			87.8		1 1		87.9	-	57.0	87.9
300C	87.9	90.7	90.7	90.7	90.8	90.8		90.8					91.0			91.3
	89.7	92.9	92.9	92.9	93.1	93.1			93.1		1 3	93.2	93.2		73.2	93.2
	91.4	94.9		95.1	95.3	95.3	95.3	95.3						95.4	95.4	95.4
	42.4	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	93.5	96.9	97.2	97.2	97.4	97.4		97.4	97.4							97.5
	93.9	97.4	97.8	97.8					98.1				99.2		98.2	98.2
.000	94.6	98.2	98.6	98.6	98.8	98.9		98.9								79.€
900	74.6	98.2	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.7
800	95.0	98.6	99.0	99.0	99.2	99.3		99.4								
	95.4	99.0	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	95.4	99.0	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	130.0
500	95.4	99.0	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	103.0	100.0	138.0
400	95.4	99.0	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	1 an • b	103.0
300	95.4	99.0	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	95.4	99.0		99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.C
100	95.4	99.3	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.3	100.0	100.0
	95.4	99.0						99.9								
	1	-														

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 720

LEGAL CLIMATOLOGY BRANCH AL LIATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 1 1 4

HECTOR APT FARGO NO

STATION NAME

73-80

JUV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEILING		_					vis	18 TV ST	ATUTE MIL	ES						
(FEE*)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥;	≥ ⋅ ⅓	≥١%	≥1	≥ %	≥%	<b>≥</b> V:	≥5/16	2 %	<b>≥</b> 0
NO CEILING	55.	55.8	55.8	55.8	55 • 8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	24.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7			64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	≥5 • 1	65.1	65.1	65.1	65.1	65.1	65 - 1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ '6500	55.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	05.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	56.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66 • 4	66.4		1	66.4	66.4
≥ :2000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.C	70.0	70.0	70.3	70.0	70.0	70.0	70.0
9000° ≤	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.3	74.0	74.0	74.0	74.3	74.0	74.0	74 • C	74.0
≥ 9000	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 800C	77.6	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000	33.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	56.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4500	7.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
± 4000	ຸ8 • 8	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	93.7	90.7	90.7	90.7
≥ 3500	89.7	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.6	91.8	91.8
≥ 3000	91.7	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	93.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.8
≥ 2000	94.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	78.5	98.5
≥ 1800	95.0	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	95 • 1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98,9	98.9	98.9	98.9	98.9	98.9	78.9	98.9
≥ 1200	95.4	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	49.2	99.2
≥ .000	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.5	99.6	99.6
≥ 800	95.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	75.9	99.3	99.6							99.7					99.7	1 - 1
≥ 600	95.8	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.3
≥ 500	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0	00.0
≥ 400	95.9	99.3	99.6	99.7	99.7					100.0						
≥ 300	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0
≥ 200	95.8	99.3		99.7						100.0						
> 100	95.8	99.3	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	160.0	100.0	130.0	100.3
≥ 0	95.5									100.0						
										•						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 720

SELPAL CLIMATOLOGY BRANCH STATETAC AT REATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1- 1- HECTOR APT FARGO NU

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEIL NG	VIS-BILITY STATUTE MILES															
(FEET)	≶ .c	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ 4	≥ %	≥ %	≥ 5/16	<u>\</u>	≥c
NO CERING ≥ 20000	61.9 70.8	52.2 71.1	62.5	62.5 71.5	62.6			62.6 71.7		62.6 71.7	62.6 71.7			62.6 71.7	62.6 71.7	
≥ 18000 ≥ 16000	71.4	71.7 71.8	72.1 72.2	72.1 72.2	72.2 72.4	72.2	-	72.2	72.2 72.4	72.2 72.4	72.2 72.4	72.2		72.2 72.4	72.2 72.4	72.2
≥ 14000 ≥ 2000	72.5 75.3	72.8	73.2 76.1	73.2 76.1	73.3	73.3	73.3	73.3	73.3	73.3	73 • 3 76 • 3	73.3		73.3 76.3	73.3 76.3	73.3 76.3
≥ 10000 ≥ 9000	78.8 80.3	79.4	79.9	79.9 81.4	80.0 81.5	80.0	80.0	80.0	80.0	80.0	80.0 81.5	80.0	80.0	83.0 81.5	80.0 81.5	80.0
≥ 8000 ≥ 7000	31.9 53.8	82.6	83.1	83.1 84.9	83.2 85.0	83.2	83.2	83.2	83.2		83.2	83.2	83.2	€3.2	83.2	P3.2
≥ 6000 ≥ 5000	66.8 89.2	87.8	88.2	88.2	88.3	88.3	88.3	88.3	88.3		88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500 ≥ 4000	20.7 12.1	92.2	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500 ≥ 3000	92.5 93.8	94.4 95.7	95.1	95.3	95.4	95.4	95.4	95.4 96.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4 96.7	95.4 96.7
≥ 2500 ≥ 2000	94.9	96.8	97.5	97.6		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.8
≥ 1800 ≥ 1500	95.7	97.9		98.8	98.9	98.9	98.9	98.9	98.9		98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200 ≥ 1000	96.3	98.5		99.3	99.4	99.4	99.4	99.4	99.4		99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.4	98.6		99.4	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	96.4	98.6		99.4	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 600	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	0.00	
≥ 400	96.4		99.6		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.4		99.6	99.7	99.9	99.9	100.D	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.4	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	10 <b>0</b> •0

720 TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

SECEAL CLIMATOLOGY BRANCH . AFLTAC AT SERVICESMAC

#### CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

STATION HAME

73-80

JUN MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4100-2300 Hours (L.S.T.)

CEIL NG							٧١S	B (-*Y - 51	ATUTE MIL	<b>E</b> S						
(FEE')	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥ , %	≥1%	≥1	≥ ¾	≥ %	≥ ٧.	≥5/16	≥ %	≥c
NO CEILING	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ :6000	75.3	75.8	75.6	75.8	75.8	75.8	75.8	75.8	75 . 8	75.8	75.8	75.8	75.8	75.8	75.R	75.8
≥ 14000	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76 • 7	76.7	76.7	76.7	76.7	76.7
5 .500€	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
200001 ≤	33.3	84.0	84.D	0.49	84.D	84.D	84.0	84.D	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	35.8	85.5	65.8	85.5
≥ 8000	27.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.
≥ 7000	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.
≥ 6000	70.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.
≥ 5000	91.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	91.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.
≥ 400C	92.5	93.5	93.5	93.5	93.5					93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3500	23.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.
≥ 3000	93.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.
≥ 2500	94.7	96.5	96.7	96.7	96.7	96.7	96.7	96.7		96.7	96.7	96.7	96.7	96.7	96.7	96.
≥ 2000	95.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.
≥ 1800	96.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.
≥ 1500	96.4	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.
≥ 1200	96.5	98.6	98 • 8	99.0	99.0	99.0	99.0	99.0	99.0	99.C	99.0	99.0	99.2	99.2	99.2	99.
≥ ,000	96.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.
≥ 900	96.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.
≥ 800	96.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.
≥ 700	96.9	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.1
≥ 600	96.9	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	0.00	0.00	00.
≥ 500	96.9	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.00	100.0	130.0	100.
≥ 400	96.6	99.2	99.3	99.9	99.9	99.9	99.9				99.9		0.00	00.0	30.0	100.
≥ 300	96.9	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	00.0	00.0	0.00	100.
≥ 200	96.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	00.0	100.0	00.
> 100	96.8	99.2				99.9		_		99.9						
≥ 0	96.8	99.2					99.9				-					

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 720

GLU AL CLIMATOLOGY BRANCH GRAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

JUN

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH ALL

HOURS (L.S.T.)

CER NO							viS	B * 57/	ATUTE MILI	ES			·——	<b>_</b>		
IFEETY	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	۱≤	≥ ¾	≥ %	≥ ٧:	≥ 5/16	≥ %	≥¢
OPILIED OF	58.7	59.5	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	65.0	60.0	63.1
≥ 20000	J6 . 8	67.6	67.9	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.4
≥ 18000	67.2	68.0	69.2	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.8	68.8
5 .9000	67.3	68.2	68 - 4	68.5	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.J
≥ 14000	58.2	69.1	69.3	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	59.B	69.9
⋝ .5000	71.4	72.4	72.6	72.6	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
≥ 10000	75.4	76.5	76.7	76.8	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
≥ 9000	77.3	78.6	78.8	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.4
≥ 8000	79.2	80.6	80.8	80.9	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.3	61.3	81.3	81.4	81.4
≥ 7000	81.4	82.9	83.1	83.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	63.6	83.7
≥ 6000	53.1	84.9	85.1	85.2	85.2	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	65.7	85.7
≥ 5000	c5.1	87.1	87.3	87.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	67.9	88.0
≥ 4500	£5.7	87.8	88.1	88.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	86.6	88.6	88.7	88.7
≥ 4000	67.	89.3	89.6	89.7	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 3500	e7.6	93.0	90.3	90.5	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 3000	58.9	91.7	92.1	92.2	92.3	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.8	
≥ 2500	90 • <b>Q</b>	93.0	93.4	93.5	93.6	93.7	93.9	93.9	93.9	94.D	94.C	94.0	94.0	94.0	94.1	94.1
<b>2 200</b> 0	91.3	94.5	95.0	95.2	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9
≥ 1800	91.6	94.9	95.4	95.6	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3
≥ 1500	92.3	95.7	96.2	96.4	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.1
≥ 1200	92.9	96.4	96.9	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.8	97.8
≥ ,000	93.4	97.d	97.5	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5
≥ <b>90</b> 0	93.5	97.2	97.8	98.0	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 800	93.7	97.5	98.Q	98.2	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1
≥ 700	93.8	97.6	98.2	98.5	98.7	98.9	,99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 600	93.9	97.8	98.4	98.7	99.0	99.1	99.3	99.4	99.4			99.4	99.5	99.5	99.6	99.6
≥ 500	93.9	97.9	98.5	98.8	99.0			99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 300	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 200	93.9	97.9	98.6	98.8	99.1	99.3	99.5	99.6	99.6			99.7		-	99.8	99.9
> 100	93.9	97.9	98.6		,	99.3		99.6					99.8			
≥ 0	94.D	97.9	98.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 5763

CELTAE CLIMATOLOGY BRANCH STAFETAC ALS WEATHER SERVICEZMAC

#### CEILING VERSUS VISIBILITY

19514

HECTOR APT FARGO ND

73-8C

JUL

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEIL!NG							VIS	BLTY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥ + %	≥1%	≥,	≥ %	≥ %	≥ %:	≥ 5/16	≥ ¼	≥c
NO CEILING	71.5		72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	-	72.6	72.6	72.€
≥ 20000	75.9	76.9		77.2			77.2		77.2		77.2				77.2	
≥ 18000	76.1	77.û	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3			77.3	
≥ ,9000	76.2	77.2		77.4		$\overline{}$	77.4	77.4	77.4	77.4	77.4	77.4			77.4	
≥ 14000	78.1	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79 - 3	79.3				
≥ :2006	<u> 51.2</u>	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4			82.4	2.4
≥ 1,0000	56.8	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	89.2	88.2
≥ 9000	88.6	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	20.2	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	91.5	92.6	92.7	93.D	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 6000	92.7	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 5000	92.9	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4500	93.7	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4000	93.5	94.9	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500	93.7	95.0	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000	54.4	95.7	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	74.9	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9		
≥ 2000	95.4	96.9	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	95.6	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	95 • 6	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	96.2	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ ,000	96.5	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	96.5		98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	96.5		98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	96.5	98.3				98.9	98.9				99.2	99.2				
≥ 600	96.6			98.9		99.1	99.1	99.1	99.1	1	-			99.3		99.3
≥ 500	96.8		98.9	99.2		99.3	99.3		99.3						99.6	
≥ 400	96.8		1 1 7 1	99.3	99.5	99.5					99.7					
≥ 300	96.8			99.5				99.7			0.00					
≥ 200	96.8			99.5		- 1		99.7			100.0					
> 100		98.8			99.6			99.7			100.0					
≥ 100	96.8			99.5				99.7			100.0					
	7067	70.0	7702	7703	77.0	,,,,	77.1	,,,,,,	,,,,,	- 30-0		- 30 - 0	- 30 . 0	- 00.0	5000	0000

SUBMAL CLIMATOLOGY BRANCH 104FETAC Alm WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1--14

HECTOR APT FARGO NO

73-80

JUL MONTH

U300-0500 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TEILING							v15	BILITY ST	ATUTE MIL	ES						
(FEET)	y. c	≥6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥:%	≥1%	≥1	≥ ¼	≥ %	<b>≥</b> ⊬.	≥ 5/16	2 %	≥0
NO CEILING ≥ 20000	64.4	66.0	66.8		67.2 72.3	67.2 72.3					67.2 72.3	67.2	67.3	67.3 72.4	67.3	67.3
≥ 18000	70.2 70.6	71.9 72.3	72.7 73.1	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.1 73.5	73.3 73.7	73.3 73.7	73.3 73.7	
≥ 14000 ≥ 12000	71.8 75.1	73.5 77.0	74.3 77.8	74.7 78.4	74.7 78.4	74.7 78.4	74.7 78.4	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5	74.9 78.6	74.9 78.6	74.9 78.6	
≥ 9000 ≥ 10000	78.9 81.0	80.8 32.9	81.6 83.7		82.1 84.3	82.1 84.3	82.1 84.3	82.3 84.4			82.3 84.4	82.3 84.4	82.4 84.5	82.4 84.5	82 • 4 84 • 5	84.5
≥ 8000 ≥ 7000	84.9	84.7 87.0	85.8 88.0		86.3 88.6	88.6	88.6			88.7	86.4 88.7	86.4 88.7	86.8		86.6	86.6
≥ 6000 ≥ 5000	96.8 77.8	89.0 89.9	90.1 91.0	91.5	90.6 91.5	91.5	91.5	91.7	91.7	91.7	90.7 91.7	90.7	91.8	$\overline{}$	90.9 91.8	
≥ 4500 ≥ 4000	88.4 89.4	90.7 91.8	91.8	93.4	92.3	93.4	93.4	93.5	93.5	93.5	92.5 93.5	92.5	93.7	93.7		
≥ 3500 ≥ 3000	89.4 90.3	91.8	92.9	94.5		94.5	94.5	94.6	94.6	94.6	94.6	93.5	94.8	94.8	93.7	94.8
≥ 2500 ≥ 2000	91.3	94.5		96.1		96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.4		95.7	96.4
≥ 1800 ≥ 1500	91.8 92.2	94.5	96.0	96.5	96.1 96.5					96.6		96.2	96.8		96.8	
≥ 1200	92.9 92.9	95.6 95.7 95.7	96.8	97.3	97.2 97.3	97.3		97.4	97.4		97.4	97.4	97.6		97.4 97.6	97.6
≥ 900 ≥ 800 > 700	92.9	95.7		97.3		97.3		97.4	97.4	97.4	97.4	97.4	97.6	97.6		97.6
≥ 700 ≥ 600 ≥ 500	92.9	95.7	97.0	97.6		97.6	97.6	97.7	97.7		97.7		97.8	97.8		97.8
≥ 400	92.9	96.4	97.3	98.0	98.3	98.3	98.3	98.4	98.4	98.4		98.4	98.5	98.5	98.5	
2 200	92.9	96.4	98.0	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.5	99.5	99.6	99.7	99.7	99.7
≥ 0	92.9		- 1		99.1						99.5				99.9	100.0

SECHAL CLIMATOLOGY BRANCH A . FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LET.)

CEIL NG				_			VIS	BLITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥. ½	≥11/4	≥1	≥ ¼	≥ %	≥ ¥:	≥ 5/16	≥ ¼	≥c
NO CEILING	62.7	64.2	64.7	64.9	65.1	65.3	65.3	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6
≥ 20000	56.7	69.5	69.9	70.2	70.4					71.0	71.0	71.1	71.1	71.1	71.1	71.1
≥ 18000	67.5	73.3	70.7	71.0	71.2	71.5	71.5	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9	
≥ 16000	67.5	70.3	77.7	71.0	71.2	71.5	71.5	71.6			71.8	71.9	71.9		71.9	71.9
≥ 14000	68.5	71.5	71.9	72.2	72.4	72.7	72.7	72.8	72.8	73.0	73.D	73.1	73.1	73.1	73.1	
≶ .50UC	70.7	73.7		74.3				75.0			75.1	75.3		75.3	75.3	
≥ 10000	74.7	78.1	78.5	79.2	79.4	79.7	79.7	79.8	79.8		80.0	80.1	80.1	80.1	80.1	80.1
≥ 600C	77.2	80.8	81.2	81.9	82.1	82.4	82.4	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8
≥ 8000	79.3	32.9	83.3	84 • D	84.3	84.5	84.5	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9
≥ 7000	₫0.5	84.3	84.7	85.3	85.6	85.9	85.9	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3
≥ 6000	n1.3	85.1	85.6	86.3	86.6	86.8	86.8	87.0	87.0	87.1	87.1	87.2	87.2	87.2	67.2	87.2
≥ 5000	32.9	87.0	87.5	88.2	88.4	88.7	88.7	88.8	88.8	89.C	89.C	89.1	89.1	89.1	89.1	89.1
≥ 4500	43.2	87.2	87.8	88.4	88.7	89.0	89.0	89.1	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4
≥ 400C	93.9	88.0	88.7	89.4	89.7	89.9	89.9	90.1	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5
≥ 3500	34.3	38.6	89.2	89.9	90.2	90.5	90.5	90.6	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0
≥ 3000	a5.1	89.5	90.2	90.9	91.1	91.4	91.4	91.5	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9
≥ 2500	85.6	90.1	90.7	91.4	91.7	91.9	91.9	92.1	.92.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5
≥ 2000	86.4	91.0	91.8	92.5	92.9	93.1	93.1	93.3	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7
≥ 1800	86.6	91.1	91.9	92.6	93.D	93.3	93.4	93.5	93.5	93.8	93.8	94.3	94.3	94.0	94.0	94.0
≥ 1500	56.6	91.3	92.1	92.7	93.1	93.4	93.5	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 1200	86.6	91.8	92.6	93.3	93.7	94.D	94.1	94.2	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6
≥ .000	86.6	91.8	92.6	93.3	93.7	94.0	94.2	94.4	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.9
2 90C	57.5	93.0	93.8	94.5	94.9	95.2	95.4	95.6	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.C
≥ 800	67.6	93.3	94.1	94.8	95.2	95.4	95.7	95.8	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2
≥ 700	£7.8	93.4	94.2	94.9	95.3	95.6	95.8	96.0	96 . C	96.2	96.2	96.4	96.4	96.4	96.4	96.4
≥ 600	87.8	93.5	94.5	95.2	95.6			96.4	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8
≥ 500	67.9	94.0	94.9	95.6	96.2	96.5				97.3			97.4	97.4	97.4	97.4
≥ 400	88.2	94.9	95.8	)			98.0	98.1	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 300	88.2		96.2		98.0					99.2				99.5	99.5	99.5
≥ 200			96.2				• .							99.7	99.7	99.7
≥ 100			96.2							99.5						100.3
ž 0			96.2								- 1	_				-
L	~ <b>~ ~ ~</b>		, , , ,			,,,,,	,,,,,								3000	

TOTAL NUMBER OF OBSERVATIONS \_

GLUBAL CLIMATOLOGY BRANCH 357FETAC 41 - MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

73-80

Jul

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100

CELLING							VIS	BILITY ST	ATUTE MIL	ES		-				
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	21%	≥1%	≥1	≥ %	≥%	≥ ∀:	≥5/16	≥ '4	≥c
NO CEILING	61.4 71.1	62.8 72.6	63.0	1				63.4 73.3			63.4	63.4 73.3	63.4	63.4	63.4 73.3	63.4 73.3
≥ 18000	71.9	73.4	73.7			74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ .9000	71.9		73.7	73.8			74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 14000	72.7	74.2	74.5			74.9	74.9	74.9	74.9	74.9	74.9	74.9		74.9	74.9	74.9
≥ :2000	74.9	76.3	76.6				77.3	77.3			77.3			_	77.3	
≥ 10000 ≥ 9000	79.d	80.9	81.2		82.0	82.3		82.3			1	82.3			32.3	82.3
	80.5		82.8			84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	64.1	84.1
≥ 8000 ≥ 7000	=1.9	84.0						85.6	85.6		,	85.6	85.6	85.6	65.6	85.6
	₹2.8	84.9		85.9	86.3			86.6								86.6
≥ 6000 ≥ 5000	i3.2	85.3	85.6		• -	87.0	87.0									
	84.1	86.4	86.7				88.0									
≥ 4500 ≥ 4000	4.9	87.2	87.5				88.8	88 - 8			-				88.8	88.8
	₹5 • 8	88.0	88.3				89.7		89.8				90.3		90.3	90.3
≥ 3500 ≥ 3000	ê <b>6.2</b>	89.2	88.8		89.9 93.6		90.2	90.3				-			91.0	91.0
	36.7													_	_	91.5
2 2500 2 2000	7.2	89.8 91.1	90.1 91.4	90.7	92.5	91.4	91.4	91.5		91.5 93.0						
	8 4	91.7	91.9	92.6			93.4	93.5							73.5	93.5
≥ 1800 ≥ 1500	89.5	93.1	93.4		94.5								95.3			95.0
300	90.7	94.8	95.1	95.7	96.1	96.5								96.6	96.6	96.6
≥ 1700	1.1	96.1	96.2	97.0	97.4	97.8			_	_						
≥ 90¢	V1.7	96.6	96.9	97.8	98.3		98.7	98.8							98.8	98.8
2 Ano	91.7	96.6	96.9	97.8	98.3	98.7	98.7		98.8		· ·				-	
≥ 700	91.7	96.8	97.0	98.0	98.4	98.9	98.9	99.1	99.1		99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	91.1	97.0	97.4	98.4	98.8	99.3	99.3					_			79.5	
≥ 500	91.7	97.2			99.1	99.6	99.6		99.7					99.7	99.7	99.7
≥ 400	91.7	97.2		98.5	99.2		99.7			99.9		99.9	-			99.9
≥ 300	71.7	97.2			99.2						100.0					
≥ 200	91.7	97.2		98.5	99.2						100.0					
> 100	91.7	97.2		98.5							100.0					
≥ 0	91.7	97.2		_	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	0.00	100.0	100.0	keo.c

744 TOTAL NUMBER OF OBSERVATIONS

SLIHAL CLIMATOLOGY BRANCH STAFETAC AT SEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NU

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1400 HOURS (L. S. T.)

No	CEILING							٧١S	B LITY ST	ATUTE MIL	ES						
27000 73.3 73.9 74.1 74.3 74.5 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3	(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥:%	≥11/4	≥1	≥ %	≥ %	≥ ⊬.	≥ 5/18	≥ 4	≥0
2 18000 73.3 73.9 74.1 74.3 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6		c 2 • 6	63.3	63.3	67.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
2 10000	≥ 20000	73.4	73.7	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
2   1000   74.3   75.9   75.1   75.4   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.7   75.		73.3	73.9	74.1	74.3	74.6	74.6	74.6	74.6	-		74.6	74.6	74.6	74.6	74.6	74.6
2 10000	≥ 16000	73.3	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2 19000		74.3	75.0	75.1	75 • 4	75.7	75.7	75.7	75.7	75.7	75.7	75 • 7	75.7	75.7	75.7	75.7	75.7
2 9000	≥ :2000	77.2	78.0	78.1	78.4		78.9	78.9		78.9	76.9	78.9	78.9	78.9	78.9	79.9	
2 8000		51.3	82.1	82.3	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	1.85	83.1
≥ 7000	≥ 9900		83.6	83.7	84.0	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	64 . B	84.8	84.8	84.8
2 6000		84.0	84.8	84.9	85.2	85.6	86.0	86.D	86.0	86.0	86.0	86.0	86.0	86.3	86.0	86.0	86.0
2 5000 36.7 87.8 88.0 88.3 88.7 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1	≥ 7000	54.8	85.6	85.8	86.0	86.4	86.8		86.8	86.8	86.8	86.8	86.8	86.8	86.5	86.8	86.8
2 4500		85.3	86.3	86.6	86.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2 4000 89.1 90.2 90.5 90.7 91.1 91.5 91.5 91.5 91.5 91.5 91.5 91.5	≥ 5000	36.7	87.8	88.0	88.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	39.1	89.1
2 3500 89.4 913.5 90.7 91.0 91.4 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8		37.6	88.7	89.0	89.2	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	≥ 400C	89.1	90.2	90.5	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2 2500		89.4	917.5	90.7	91.0	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2 1800	≥ 3000	90.9	92.2	92.5	92.7	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2 1800		92.6	94.2	94.5	94.8	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	≥ 2000	94.2	95.8	96.1	96.4	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2 1200		95.2	96.8	97.2	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2 000	≥ 1500	√5 • 6	97.2	97.6	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 900		ೌ6 • 1	97.7	98.1	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 800	≥ ,000 [	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 96.4 98.0 98.4 98.9 99.5 99.9 99.9 99.9 99.9 99.9 99.9	≥ 900	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 500	≥ 800	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	≥ 700	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	≥ 600	96.4	98.0	93.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 300 96.4 98.0 98.4 98.9 99.5 99.9 99.9 99.9 99.9 99.9 99.9	≥ 500	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200 96.4 98.0 98.4 98.9 99.5 99.9 99.9 99.9 99.9 99.9 99.9	≥ 400	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200 96.4 98.0 98.4 98.9 99.5 99.9 99.9 99.9 99.9 99.9 99.9	≥ 300	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 100 96.4 98.4 98.4 98.9 99.5 99.9 99.9 99.9 99.9 99.9 99.9		96.4	98.0	98.4	98.9	99.5	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	loo.ol
	> 100	96.4	98.0		98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	00.0
≥	≥ 0	96.4	98.0	98.4	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9				

744 TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

BLUPAL CLIMATOLOGY BRANCH UNAFETAC ATH REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14

HECTOR APT FARGO ND

73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILNG			_			-	V1\$	B . ** ST	ATUTE MIL	ES.						
(FEE")	≥ ;0	≥ 6	≥ 5	≥ 4	≥ 3	₹3%	≥;	≥ - ½	≥1%	≥1	2 4	≥ %	2 "	≥ 5/16	≥ %	≥c
NO CEIUNG ≥ 20000	+4.7 74.7	64.8 75.8		64.8 75.9	65.2 76.3			65.2 76.3	65.2 76.3	65.2 76.3	65.2 76.3	65.2 76.3	65.2 76.3	65.2 76.3	65.2 76.3	
≥ 18000 ≥ 16000	74.7 74.7	75.8 75.8	75.9 75.9	75.9 75.9	76.3 76.3		76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3	76.3 76.3
≥ 14000 ≥ 12000	75.7 7 <b>7.7</b>	76.7 78.8	76.9 78.9	76.9 78.9	77.3 79.3		77.3 79.4	77.3 79.4	77.3 79.4	77.3 79.4	77•3 79•4	77.3 79.4	77.3 79.4	77.3 79.4	77.3 79.4	77.3
≥ 10000	61.7 33.7	82.9 85.2	83.1 85.3	83.1 85.3		85.9	85.9			85.9	83.6 85.9	83.6 85.9	65.9	83.6 85.9	83.6 85.9	63.6 85.9
≥ 8000 ≥ 7000	85.2 86.0	87.0 87.8				88.4	88.4		87.6 88.4	87.6 88.4	87.6	87.6 88.4	88.4	87.6 58.4	37.6	87.6
≥ 6000 ≥ 5000	87.6 89.8	89.7 92.1	90.1 92.5			93.1	93.1	90.6 93.1	93.1	93.1	90.6	90.6 93.1	93.1	90.6	93.6	$\overline{}$
≥ 4500 ≥ 4000	90.2	92.5		93.0	93.4	94.6	94.6		94.6	94.6	93.5		94.6	94.6		
≥ 3500 ≥ 3000	92.1 93.5	94.5	96.5	96.9	95.6	97.4	97.6	97.6	97.6	97.6	97.6			97.6	95.8 97.6	95.8
≥ 2500 ≥ 2000	94.9 94.9	97.4 97.6	97.8 98.0 98.3	98.4	98.7 98.8 99.1	99.2	99.3	99.1 99.3	99.1 99.3	99.1 99.3 99.6	99.1 99.3	99.1 99.3	99.1 99.5	99.1 99.5 99.7		
≥ 1800 ≥ 1500 ≥ 1200	75.2 75.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	-	99.7	99.7		99.9	99.9	99.9	
≥ 000 ≥ 900	95.2	98.0	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7		99.9	99.9	99.9	99.9
≥ 800 ≥ 700	95.2	98.0	98.4		99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	,	99.9	99.9
≥ 600 ≥ 500	95.2	98.0	98.4	98.8	99.2			99.7	99.7	99.7	99.7	99.7	99.9		99.9	99.9
≥ 400 ≥ 300	95.1 95.1	98.1	98.5		99.3			99.9	99.9	99.9	99.9			100.0		
≥ 200 ≥ 100	95.3 95.3	98.1 98.1			99.3		99.9	99.9	99.9		99.9			100.0		
≥ 0	95.3	98.1	98.5	98.9	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_744

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OSEQUETE

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BL MAL CLIMATOLOGY BRANCH CMFETAC AIR SEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

16514

HECTOR APT FARGO ND

73-80

JUL

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1839-2003 Hours (L.S.T.)

CEILNG	_						VIS	BLTY ST	ATUTE MILI	ES						
(FEE*)	≥ ; C	≥6	≥ 5	≥ 4	≥3	≥2%	≥2	≥ . %	≥1%	≥1	≥ 4	≥%	≥ ٧.	≥ 5, 6	≥ '4	≥0
NO CEILING	71.2	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.5	71.5	71.6	71.6
≥ 20000	78.2	79.3	79.6	79.6	80.0	80.0	90.0	80.0	80.0	80.3	80.0	80.0	80.0	85.5	80.C	60.0
≥ 18000	78.8	79.8	80.1	80.1	80.5		80.5		_		80.5	80.5	80.5	80.5	30.5	80.5
≥ .9000	79.8	79.8	87.1	80.1	80.5					80.5		80.5	80.5			80.5
≥ 14000	50.2	81.3	81.6	81.6			62.0					82.0	82.0	82.0		82.0
≥ .5000	22.1	83.3	83.6				ĺ					84.3	84.0	€4.0	34.C	74.0
2000€ ≤	36.6	87.9	88.2	88.2			88.6		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 9000	88.6	89.9	<del></del>			90.6		90.6		90.6		90.6	90.6			90.6
≥ 8000	90.1	91.9	92.2	92.2			92.6			92.6		92.6	92.6	92.6	92.6	92.6
≥ 7000	91.4	93.3				94.0			94.0				94.0			94.0
≥ 6000	92.6	94.8	95 • C	95.2	95.6				95.6	95.6		95.6	95.6	95.6	95.6	95.6
≥ 5000	03.5	95.8				96.8										96.8
≥ 4500	43.7	96.0	96.4	96.5			96.9		· · ·	96.9			96.9	96.9	96.9	96.9
± 4000	>3.8	96.2				97.7							97.7			97.7
≥ 3500	94.0	96.4	96.8		97.8					97.8		- 1	97.8	97.8	97.8	97.8
≥ 3000	74.6	97.0	97.4			98.9									78.9	98.9
≥ 2500	95.D	97.4	97.8	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	°5.2	97.7		98.5		99.7									99.7	99.7
≥ '800	95.2	97.7		98.5		99.7							99.7	-	99.7	99.7
≥ 1500	95.2	97.7				99.7										99.7
≥ 1200	95.2	97.7	98.1	98.8		100.0										
≥ ,000	95.2	97.7	98.1	98.8		100.0										
≥ 900	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	00.0	00.0	100.3
≥ 800	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0
≥ 700	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0
≥ 600	95.2	97.7	98.1	98.8	99.7	190.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	120.0	100.0
≥ 400	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 300	95.2	97.7	98.1	98 . 8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	1000	100.0
≥ 200	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	00.0	100.0
≥ 100	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	0.00	100.0	00.0
≥ 0	95.2	97.7	98.1	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLEBAL CLIMATOLOGY BRANCH SCAFETAC AT- PEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

19514

HECTOR APT FARGO ND

73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CELING							vis	B . ** 51	ATUTE MIL	ES						
(FEE*)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ : %	≥1%	≥1	≥ %	≥%	≥ ∨:	≥ 5/16	≥ '4	≥0
NO CEIUNG ≥ 20000	73.1 79.4	73.5 80.0		73.7 80.1	73.7 80.2	73.7	73.7 80.2	73.7 80.2	- 1	73.7 80.2	73.7 80.2			73.7 80.2	73.7 50.2	73.7 90.2
≥ 78000 ≥ 78000	ტ <b>ც.ე</b> გმ <b>.1</b>	80.5 80.6		80.6 80.8		80.8 80.9	80.8 80.9		80.8 80.9	80.8 80.9	80.8 80.9	80.8 80.9		80.8 80.9	80.8 60.9	80.8 80.9
≥ 14000 ≥ 12000	ೆ1.5 ೨4.3	82.0 84.8	87.1 84.9		82.3 85.1	82.3 85.1	82.3 85.1		82.3 85.1		82.3 85.1	82.3 85.1	82.3 85.1	82.3 85.1	82.3 35.1	82.3 85.1
0000° ≤	97.8 89.8	88.6 90.6		88.7 90.7		88.8	88.8 90.9	88.8 90.9		88.8	88.8 90.9	88.8 90.9	88.8 90.9	88.8 90.9	88.8 90.9	88.9
≥ 8000 ≥ 7000	91.1 92.3	92.1 93.3	92.2 93.4		92.3 93.5	92.3 93.5				92.3 93.5			92.3 93.5		92.3 93.5	92.3
≥ 6000 ≥ 5000	93.8 94.2	94.8 95.4				95.0 96.0		95.D 96.D	95.0 96.0		95.0 96.0					95.0 96.0
≥ 4500 ≥ 4000	94.4 95.3	95.6 96.4		96.D 96.9	1 1 7 7	96.1 97.4	96 • 1 97 • 4		96.1 97.4				1 1	96.1 97.4		96.1 97.4
≥ 3500 ≥ 3000	95.3 95.5	96.8		98.0	98.5	98.5	98.5		98.5	98.5	98.5	98.5	98.5	98.5	98.5	97.8 98.5
≥ 2500 ≥ 2000	96.5 96.6	98.1	98.7	98.8	99.3			99.3	99.3	99.3	99.3		99.3		_	99.2
≥ 1800 ≥ 1500	96.6	98.3	98.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
≥ 1200	97.0 97.0	98.7	99.2	99.3	99.9	99.9	99.9		99.9		99.9	99.9	99.9	99.9		
≥ 900 ≥ 800	97.0 97.0	98.7	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.0 97.0	98.7	99.2	99.3	99.9	99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9
≥ 500 ≥ 400	97.2 97.2 97.2	98.8	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200 > 100	97.2		99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 100	97.2						100.0									

TOTAL NUMBER OF OBSERVATIONS \_\_

744

SER AL CLIMATOLOGY BRANCH TITLITAC AT FEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 MECTOR AFT FARGO NU

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

TEL NO						<del></del>	viS	B . TY ST	ATUTE MIL	E S						
(FEET)	<b>3</b> .℃	≥ 6	≥ \$	≥ 4	≥ 3	53%	≥ 2	≥ . ½	≥1%	≥1	≥ ¼	≥ %	≥ ∨.	≥ 5/16	≥ 4	≥c
NO CERING	56.1	67.3	67.5	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	73.6	74.8	75.1	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.€
≥ 18000	74.0	75.3	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	74.1	75.4	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2
≥ '4000	75.4	76.7	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ :2000	77.9	79.3	79.5	79.7	79.9	8 u • 0	80.0	80.1	80.1	80.1	60.1	80.1	80.1	80.1	33 <u>.</u> 1	80.1
00001 ≤	e2.1	93.7	83.9	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	34.6	94.6
≥ 9000	_3 <b>4 .</b> 🔾	85.7	85.9	86.2	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	36.7	86.7
≥ 8000	ა5 • 6	87.3	87.7	88.0	88.2	88.3	88.3	88.4	88.4	88.4	58.4	88.4	85.4	88.4	88.4	88.4
≥ 7000	_	88.6	88.9	89.2	89.5	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000	37.9	89.8	90.2	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	71.0	91.0
≥ 5000	89.0	91.0	91.5	91.8	92.1	92.2	92.2	92.2	92.2		92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	89.4	91.5	91.9	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400C	_ <u>≎</u> c • 2	92.4	92.9	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.6	93.8	93.8	93.8	93.8
≥ 3500	90.5	92.8	93.2	93.6	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	91.4	93.8	94.2	94.6	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	42.2	94.6	95.1	95.5	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	92.8	95.3	95.8	96.3	96.7	96.9	96.9	97.3	97 . D	97.0	97.0	97.0	97.0	97.5	97.3	97.0
≥ 1800	93.0	95.6	96.1	96.5	96.9	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	93.3	96.0	96.5	96.9	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	
≥ +200	93.7	96.5	97.0	97.5	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 000	93.9	96.7	97.5			98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	08.5
≥ 900	94.0	97.0	97.5	98.0	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 800	94.1	97.0	97.5	98.1	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	94.1	97.1	97.6	98.1	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.5
≥ 600	94.1	97.1	97.7	98.2	98.7	98.9	99.	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.2	97.3	97.9	98.4	98.9	99.1	99.2	99.2			99.3	99.3	99.3	99.3	99.3	
≥ 400	94.2	97.4	98.0	98.6	99.1	99.3	99.4	99.4	99.4	99.5		99.5	99.6	99.6	99.6	99.6
≥ 300	94.2	97.5	98.2	98.7	99.3	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.3
≥ 200	94.2	97.5	98.2	98.7	99.3			99.7		99.8		99.9	99.9	-	99.9	99.3
≥ 100	94.2	97.5	98.2	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8		99.9		00.0	
- 0	94.2	97.5	98.2	98.7	99.3	99.5	99.7	99.7	99.7	99.8	99.8		99.9	- 1	100.0	
													:-			

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

5952

## CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO NO

73-80

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILNO							٧١S	B . ** 57	ATUTE MIL	ES.						1
(FEE's							<del></del> ,									
1726	5.€	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥.%	≥1%	≥'	≥ 4	≥ %	≥ ″	≥5/16	≥ 4	≱ċ
NO CEILING	43.4	44.5	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	55.1	£5.1	55.2	65.2
≥ 20000	67.3	68.5	68.5	69.1	69.1	69.1	69.1	69.1	69.1		69.1	69.1	69.1	69.1	69.2	69.2
≥ 18000	67.5	63.7	68.7	69.4	69.4	69.4	69.4	69.4	60.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
≥ 16000	67.7	69.5	69.0	69.6	67.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	60.6	69.6	69.8	69.3
≥ '4000	69.1	70.3	70.3	71.0	71.0	71.0	71.0	71.3	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ .500€	71.6	72.8	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	77.7	73.7
≥ .ე000.	76.3	77.6	77.6	73.2	78.2	76.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 9000	78.8	80.0	80.0	30.6	80.6	20.6	80.8	80.8	8.08	80.8	80.8	80.8	30.3	80 • 8	∂û.¢	90.9
≥ 800C	30.4	81.9	81.9	62.5	32 <b>.</b> 5	92.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	€2.7	82.3	82.5
≥ 7000	_ ⟨3•5	64.7	84.8	85.5	85.5	€5.5	65.6	65.6	85.6	85.6	85.6	85.6	85.6	85.6	05.8	P5 • €
≥ 6000	.÷4 • 8	86.2	86.4	87.2	87.2	27.2	87.4	A7.4	87.4	87.4	87.4	87.4	87.4	F7.4	57.5	27.5
≥ 5000	66.4	87.8	88.3	88.8	88.8	ê8•8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	59.1	99.1
≥ 4500	37.3	88.3	88.6	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	59.8	89.8
≥ 4000	5 <b>7.3</b>	89.1	89.4	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	20.6
≥ 3500	ਰ8•ੜ	89.5	89.8	90.7	90.7	93.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	°1.0
≥ 3000	50 <b>•1</b>	91.9	92.2	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
≥ 2500	90.7	92.9	93.3	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 2000	91.5	94.0	94.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 1800	02.1	94.5	94.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	36.4
≥ 1500	92.3	95.0	95.4	96.5	96.6	96.6	96.8				96.5	96.8	96.8	96.3	96.9	c6.9
≥ 1200	೧2.5	95.3	95.7	96.8	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
≥ ,000	₹2.q	95.7	96.1	97.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 900	93.1	96.0	96.4	97.6	97.7	97.8	98.0	98.0		98.0	98.0	98.0		98.0	98.1	98.1
≥ 800	93.1	96.2	96.	98.0	98.1		98.4	98.4			98.4		98.4	98.4	98.5	98.5
≥ 700	93.1	96.4	96.9	98 • 1	98.3	98.4	98.5	98.5		98.5	98.5			98.5	98.7	98.7
≥ 600	93.1	96.6		98.7		98.9		99.1	99.1		99.1	99.1		99.1	99.2	99.2
≥ 500	93.4	96.9	1	98.9	99.1	1	99.3	99.3		99.3	99.3			99.3	99.5	99.5
≥ 400	93.4	96.9												99.5		
≥ 300	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	r02.0
≥ 200	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7		99.7	99.7	99.7	99.7		130.0	
> 100	93.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	130.0	100.0
≥ 0	03.4	96.9	97.7	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	1 <u>00.</u> 0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_744

BELARL CLIMATOLOGY BRANCH ...FETAC AT FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 1 - HICTOR AFT FARGO NU

73-80

AUG

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U300-3500 Hours (List)

CELNG							٧١S	B. ** ST	ATUTE MIL	ES.						
(FEE')	5.0	≥6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥,	≥ ¼	≥%	≥ י⁄	≥ 5/16	≥ 4	2€
NO CEIUNG ≥ 20000	59.3 62.6	60.9	61.4			62.0								62.5	63.7 66.9	63.2
≥ 1800C	52.0			66.1		66.3				66.8				67.1		67.6
≥ 6000	63.2		65.7			66.3					-		67.1	67.1		
≥ 14000	34.4	66.4				67.6				68.1			63.4	66.4	68.8	69.0
≥ .500€	66.9	69.C	69.5	70.2								70.8	71.1	71.1	71.5	71.6
0000. ≤	70.4	72.4	73.0	73.7	73.8	73.8	74.1	74.1	74.3	74.6	74.6	74.0	74.9	74.9	75.3	75.4
≥ 9000	73.1	75.1	75.7	76.3	76.5	76.5	76.7	76.7	77.3	77.3	77.3	77.3	77.6	77.6	79.	78.1
≥ 8000	75.4	77.4	78.0	78.6	78.8	78.8	79.0	79.0	79.3	79.6	79.6	79.5	79.8	79.8	oJ•2	90.4
≥ 7000	79.6	81.7	82.3	92.9		83.1				83.9				64.1	64.5	ć 🕶 📑
≥ 6000	c1.3	-	, ,	84.8						85.8			86.3			
≥ 5000	<u> - 2 - 3</u>		85.1			85.9				86.7					· · ·	
≥ 4500 ≥ 4000	2 <b>.</b> 3	85.8	1 1			- 1	87.4			87.9	_		88.2	84.		Bo. 1
	3.5		87.1			87.9				88.7			89.3		33.4	
≥ 3500 ≥ 3000	-3.7	86.7			88.2		88.4			89.0						
<u> </u>	·5 • 1	88.4			89.7		90.5			93.5						91.5
≥ 2500 ≥ 2000	*5•5	88.7		90.1		90.6	_				_		91.8			
> 1800	36.0	89.2			91.1			91.4		92.1						92.9
≥ 1500	56 · 3	89.5				91.5										03.3
≥ 1200	57.1	9:.3				92.3				93.3						94.1
≥ ,000	7.6		_		-	93.0				-						94.8
≥ 900	7.9	91.5			93.5		94.C						94.9		95.3	95.4
≥ 800	88.0	91.8	92.9	1		94.1	94.4	94.4	94.6	95.0	95.0	95.0	95.3	95.3		95.8
≥ 700	38.2	91.9	93.0	94.0	94.2	94.4	94.6	94.8	95.C	95.4	95.4	95.4	95.7	95.7	96.1	96.2
≥ 600	08.6	92.5	93.7	94.9	95.2	95.3	95.7	95.8	96.1	96.5	96.5	96.5	96.8	96.5	97.2	97.3
≥ 500	58 • 6	92.5	93.7		95.3		95.8			96.8					97.6	97.7
≥ 400	88.6					95.7										
≥ 300	88.6				96.1		97.0									99.2
≥ 200	88.6		94.2												79.5	
> 10%	<b>⊍8∙6</b>		94.2												99.5	
≥ 0	ಶ8∙6	92.9	94.2	95.8	96.2	96.5	97.2	97.6	98.0	98.5	98.7	98.7	98.9	98.9	99.5	10 <b>0.</b> 0

TOTAL NUMBER OF OBSERVATIONS \_\_

SELTAL CLIMATOLOGY BRANCH MAFETAC ATH MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO NE

73-80

AUS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

784 9/9							V15	BLITY STA	ATUTE MIL	ES						
PEE's	≥ .0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	<b>≥</b> ±%	≥1%	≥1	≥ %	≥ %	≥ V:	≥5/16	≥ '4	≥c
NO CEUNG	1.6	54.8	55.4	55.9	55.9	55.9	56.0	56.0	56.0	56.D	56.3	56.3	56.6	56.6	56.7	57.4
≥ 27000	57.8	61.4	62.	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	62.9	63.3	63.3	63.4	64.1
≥ 18000	58.1	61.7	62.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.2	63.2	63.6	63.6	63.7	64.4
≥ 6000	58.1	61.7	62.2	62.8	62.8						63.2	63.2	63.6	63.5		
≥ '4000	50.0	62.6	63.2	63.7	63.7	63.7	63.8	63.8	63.8	63.8	54.1	64.1	64.5	64.5	64.7	65.3
≥ 2000	6D.9	64.7	65.5	66.1	66.1	66.1	66.3				66.5	66.5				
5.000€	£6.1	70.6	71.4	72.0	72.0		72.2	72.2	72.3		72.6	72.6		73.0	73.1	
≥ 9000	67.7	72.2		73.8			73.9		74.1			74.5		74.9		
≥ 8000	69.5	73.9		75 • 5	75.5	1	75.7	75.7	75.8		76.2	76.2		76.6	76.7	
≥ 7000	72.6	77.2	78.0	78.8	78 - 8		78.9			79.0		79.4				
≥ 5000	73.7	78.5	, <del>.</del> .	80.1	80.1	80.1	80.2		80.4	80.4	80.8	80.5	81.2	81.2		
≥ 5000	75.1	80.0		81.6	81.6										82.8	
≥ 4500	75.7	80.8		32.4	82.4	82.4	82.5		82.7		83.1	83.1	83.5	83.5	83.6	84.3
± 4000	76.2	81.3	82.1	82.9	82.9			83.1	83.2		83.6				84.1	84.8
2 3500	76.5	81.6		83.2	83.2		83.3		83.5	83.5	83.9	83.9		84.3	84.4	85.1
≥ 3000	/7.6	82.9		84.5	84.5				84.8	84.8	85.2	85.2		85.6	55.8	86.4
2 2500	76.1	83.5		85.1	85.1	85.1	85.2	85.2	85.5		85.9	85.9	66.3	86.3		87.1
2000	78.9	84.4	85.2	86.0	86.2			86.4			87.1	87.1		£7.5		
≥ 800	79.2	84.7	85.5	86.4	86.6	1		87.0	87.2		87.6			88.0	69.2	
≥ 1500	79.4	84.9		96.7	86.8						86.2			88.6		
≥ 1200	ສ <b>≎•1</b>	85.8		87.6								89.1		89.5		
≥ 000	51	87.0	87.9	88.8	89.1	89.5			90.1					90.9		
2 900	81.6	87.8	88.7	89.7										91.7		
≥ 800	51.7	88.2								91.3						
≥ 700	82.1	88.6					-							92.7		
≥ 600	82.1	88.6			91.1					92.3						
≥ 500	3 <b>2 • 3</b>	89.2		91.4	92.1		93.1	93.1	93.4		93.8					
≥ 400	82.1	89.2					93.5							95.2		
≥ 300	ĉ <b>2•7</b>	89.7	90.6						95.3							
≥ 200	82.7	89.7	90.4	92.1	93.1					95.7					97.2	
≥ 100	32.7	89.7	97.6			-	94.8	95.2			96.4					
2 O	ಿ2 • 1	89.7	90.6	92.1	93.1	93.8	94.8	95.2	95.4	95.7	96.4	96.4	96.9	97.2	97.6	130.0

TOTAL NUMBER OF OBSERVATIONS

744

BLURAL CLIMATOLOGY BRANCH JAFETAC AT VEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 414

HECTUR APT FARGO NO

73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>\_930-1133</u> HOURS (L.S.T.)

26 65.6 65.6 65.9 67.1 68.8 77.7 76.6 78.4 79.7 81.2	65.9 66.1 66.1 67.3 69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5 83.2	66.1 66.4 65.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.6	66.4 66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	65.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	66.4 67.6 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.9	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 52.0 82.5	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	77.2 78.9 80.5 82.0 82.5	66.4 67.6 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.3	82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 50.5 82.0	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	66.4 66.4 67.6 69.4 74.7
65.6 65.9 65.9 67.1 68.8 74.2 75.7 76.6 78.4 79.7 81.2	65.9 66.1 66.1 67.3 69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5 83.2	66.1 66.4 65.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.6	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	65.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.9	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 52.0 82.5	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.1 66.4 67.6 67.6 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.1 66.4 66.4 67.6 67.6 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.1 66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 92.5	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	66.1 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0
65.9 65.9 67.1 68.8 74.2 75.7 76.6 78.4 79.7 81.2	66.1 66.1 67.3 69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5 83.2	66.4 65.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5 82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5 82.8	66.4 67.6 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.9	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 67.6 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.3	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 50.5 82.0	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	66.4 66.4 67.6 69.4 74.7 76.2 77.2 78.9 8J.5 82.0
65.9 67.1 68.8 74.2 75.7 76.6 78.4 79.7 81.2 61.7 82.7	66.1 67.3 69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5	65.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.3	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 50.5 82.0 92.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	66.4 67.6 69.4 74.7 76.2 77.2 78.9 8J.5 82.0
67.1 68.8 74.2 75.7 76.6 78.4 79.7 81.2 61.7 82.0	67.3 69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	67.6 69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.9	67.6 69.4 74.7 76.2 77.2 78.9 80.5 32.0	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.3 82.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	67.6 69.4 74.7 76.2 77.2 78.9 50.5 82.0 92.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	67.6 69.4 74.7 76.2 77.2 78.9 80.5 82.0
68.8 74.2 75.7 76.6 78.4 79.7 81.2 61.7 82.0	69.1 74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.5	69.4 74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.9	69.4 74.7 76.2 77.2 78.9 80.5 \$2.0	69.4 74.7 76.2 77.2 78.9 80.5 82.0	69.4 74.7 76.2 77.2 78.9 80.5 82.5	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5	69.4 74.7 76.2 77.2 78.9 50.5 82.0 92.5	69.4 74.7 76.2 77.2 78.9 80.5 62.0 82.5	69.4 74.7 76.2 77.2 78.9 80.5 82.0 82.5
74.2 75.7 76.6 78.4 79.7 81.2 61.7 82.3	74.5 75.9 76.9 78.6 80.2 81.7 82.3 82.5	74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.5	74.7 76.2 77.2 78.9 60.5 82.0 82.5 82.8	74.7 76.2 77.2 78.9 80.5 82.5 82.5	74.7 76.2 77.2 78.9 80.5 82.0 82.5 82.8	74.1 76.2 77.2 78.9 80.5 82.5 82.5	74.7 76.2 77.2 78.9 80.5 82.5	74.7 76.2 77.2 78.9 80.5 82.0	74.7 76.2 77.2 78.9 80.5 82.5	74.7 76.2 77.2 78.9 80.5 82.0 82.0	74.7 76.2 77.2 78.9 80.5 82.0 82.5	74.7 76.2 77.2 78.9 50.5 82.0 92.5	74.7 76.2 77.2 78.9 80.5 82.0 82.5	74.7 76.2 77.2 78.9 80.5 82.0 82.5
75.7 76.6 78.4 79.7 81.2 61.7 82.3	75.9 76.9 78.6 80.2 81.7 82.3 82.5	76.2 77.2 78.9 80.5 82.0 82.5 82.5	76.2 77.2 78.9 60.5 82.0 82.5 82.8	76.2 77.2 78.9 80.5 82.0 82.5 82.8	76.2 77.2 78.9 80.5 82.0 82.5 82.8	76.2 77.2 78.9 80.5 82.0 82.5	76.2 77.2 78.9 80.5 82.5	76.2 77.2 78.9 80.5 82.5	76.2 77.2 78.9 80.5 82.5	76.2 77.2 78.9 80.5 82.3 82.5	76.2 77.2 78.9 80.5 82.0 82.5	76.2 77.2 78.9 50.5 82.0 92.5	76.2 77.2 78.9 80.5 82.0 82.5	76.2 77.2 78.9 8J.5 82.0 82.5
76.6 78.4 79.7 81.2 61.7 82.3	76.9 78.6 80.2 81.7 82.3 82.5 83.2	77.2 78.9 80.5 82.0 82.5 82.5	77.2 78.9 60.5 82.0 82.5 82.8	77.2 78.9 80.5 82.0 82.5 82.8	77.2 78.9 80.5 82.0 82.5 82.8	77.2 78.9 80.5 82.0 82.5 82.9	77.2 78.9 80.5 82.0	77.2 78.9 80.5 82.0 82.5	77.2 78.9 80.5 82.0 82.5	77.2 78.9 80.5 82.3 82.5	77.2 79.9 80.5 82.0 82.5	77.2 78.9 80.5 82.0 92.5	77.2 78.9 80.5 82.0 82.5	77.2 78.9 8J.5 82.0
78.4 79.7 81.2 61.7 82.3	78.6 80.2 81.7 82.3 82.5 83.2	78.9 80.5 82.0 82.5 82.5	78.9 60.5 82.0 82.5 82.8	78.9 80.5 82.0 82.5 82.8	78.9 80.5 82.0 82.5 82.8	78.9 80.5 82.0 82.5 82.9	78.9 80.5 82.0 82.5	78.9 80.5 82.0 82.5	78.9 80.5 82.0 82.5	78.9 80.5 82.3 92.5	78.9 80.5 82.0 82.5	78.9 80.5 82.0 92.5	78.9 80.5 82.0 82.5	78.9 8J.5 82.5 82.5
79.7 81.2 61.7 82.3	80 • 2 81 • 7 82 • 3 82 • 5 83 • 2	80.5 82.0 82.5 82.8	60.5 82.0 82.5 82.8	80.5 82.0 82.5 82.8	80.5 82.0 82.5 82.8	80.5 82.0 82.5 82.9	80.5 32.0 82.5	80.5 82.0 82.5	80.5 82.5 82.5	80.5 82.3 82.5	80.5 82.0 82.5	80.5 82.0 92.5	80.5 82.0 82.5	82.5 82.5
81.2 61.7 82.0 82.7	81.7 82.3 82.5 83.2	82.5 82.5	82.5 82.8	82.5 82.8	82.0 82.5 82.8	82.5 82.9	82.5	82.5	82.5	82.5 82.5	82.5	82.0 92.5	82.5	82.5
82.0 82.0	82.3 82.5 83.2	82.5 82.6	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.9	82.5	82.5	82.5	92.5	82.5	92.5	82.5	82.5
82.7	82.5	82.8	82.8	82.8	82.8	82.9		1 1					1 - 1	
82.7	83.2						82.9	82.0	ام ده	0 2 2		امصما	اہ جنا	82.0
		83.5	83.5	0 T E					82.9	82.9	82.9	82.9	02.9	36.0
			~ ~ ~ ~ ~	23.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	53.6	83.5
84.1	84.7	84.9	85.1	85.1	85.1	85.2		85.2	85.2	85.2	85 • 2	85.2	35.2	35.2
85.1	85.6	85.9	86.3	86.3	86.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	56.7	86.7
88.0			89.5	89.5	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
A8.3	89.0	89.4	89.8	89.8	89.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
90.1	90.7	01.1	91.5	91.5	91.7	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
91.1	91.8	92.2	92.6	92.6	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
92.3	93.	93.4	93.8	93.8	94.0			94.4	94.4	94.4	94.4	94.4	94.4	94.4
93.1	93.8	94.2	94.9	94.9	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
93.4	94.4	94.8	95.4	95.4	95.6	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.5
93.5	94.5	94.9	95.6	95.6	95.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
93.8	94.9	95.6	96.2	96.4	96.5	96.6	96.6	96.9			96.9	96.9	96.9	96.5
94.4	96.0	96.6	97.4	97.6	97.7	97.8	97.8	98.3	98.3	98.3	96.3	98.3	98.3	98.1
94.5	96.1	96.8	97.6	97.7	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3 2	96.2	96.9	97.8	98.D	98.4	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.3	99.5
94.6			97.8	98.1	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.7	99.9	100.0
		96.9	97.8	98.1	98.5	99.1	99.1	99.5	99.5	49.5	99.6	99.7	99.9	100.0
94.6	96.2			~ ~ .!	ا۔ مما	00 1	00 1	اممدا	00 5	00 6	99.4	99.7	99.9	CO.
	93.8 94.4 94.5 94.6	93.8 94.9 94.4 96.0 94.5 96.1 94.6 96.2 94.6 96.2	93.8 94.9 95.6 94.4 96.0 96.6 94.5 96.1 96.8 94.6 96.2 96.9 94.6 96.2 96.9	93.8 94.9 95.6 96.2 94.4 96.0 96.6 97.4 94.5 96.1 96.8 97.6 94.6 96.2 96.9 97.8 94.6 96.2 96.9 97.8	93.8 94.9 95.6 96.2 96.4 94.4 96.0 96.6 97.4 97.6 94.5 96.1 96.8 97.6 97.7 94.6 96.2 96.9 97.8 98.0 94.6 96.2 96.9 97.8 98.1 94.6 96.2 96.9 97.8 98.1	93.8 94.9 95.6 96.2 96.4 96.5 94.4 96.5 97.7 97.7 97.5 96.1 96.8 97.6 97.7 98.1 94.6 96.2 96.9 97.8 98.0 98.4 94.6 96.2 96.9 97.8 98.1 98.5 94.6 96.2 96.9 97.8 98.1 98.5	93.8 94.9 95.6 96.2 96.4 96.5 96.6 94.4 96.0 96.6 97.4 97.6 97.7 97.8 94.5 96.1 96.8 97.6 97.7 98.1 98.3 94.6 96.2 96.9 97.8 98.0 98.4 98.8 94.6 96.2 96.9 97.8 98.1 98.5 99.1 94.6 96.2 96.9 97.8 98.1 98.5 99.1	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 94.4 96.0 96.6 97.4 97.6 97.7 97.8 97.8 94.5 96.1 96.8 97.6 97.7 98.1 98.3 98.3 94.6 96.2 96.9 97.8 98.0 98.4 98.8 98.6 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 94.4 96.0 96.6 97.4 97.6 97.7 97.8 97.8 98.3 94.5 96.1 96.8 97.6 97.7 98.1 98.3 98.7 94.6 96.2 96.9 97.8 98.0 98.4 98.8 98.8 98.6 99.2 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 96.9 94.4 96.0 96.0 97.4 97.6 97.7 97.8 97.8 98.3 98.3 94.5 96.1 96.8 97.6 97.7 98.1 98.3 98.3 98.7 98.7 94.6 96.2 96.9 97.8 98.0 98.4 98.8 98.8 99.2 99.2 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 99.5 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 99.5 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 99.5	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 96.9 96.9 94.9 94.4 96.0 96.6 97.4 97.6 97.7 97.8 97.8 98.3 98.3 98.3 98.3 94.5 96.1 96.8 97.6 97.7 98.1 98.3 98.3 98.7 98.7 98.7 94.6 96.2 96.9 97.8 98.0 98.4 98.8 98.8 98.8 99.2 99.2 99.2 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 99.5 99.5 94.6 96.2 96.9 97.8 98.1 98.5 99.1 99.1 99.5 99.5 99.5	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 96.9 96.9 96.9 94.9 94.4 96.0 96.6 97.4 97.6 97.7 97.8 97.8 98.3 98.3 98.3 98.3 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 96.9 96.9 96.9 96.9	93.8 94.9 95.6 96.2 96.4 96.5 96.6 96.6 96.9 96.9 96.9 96.9 96.9

TOTAL NUMBER OF OBSERVATIONS \_\_\_

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa

SELFAL CLIMATOLOGY BRANCH SAFETAC AT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1--14 HECTOR APT FARGO NO

73-80

AUS

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1405 HOURS (L.S.T.)

CEIUNG							VIS	8 . TV ST	NTUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ - γ:	≥1%	≥¹	≥ %	≥%	2 4	≥5/16	≥ 4	≱¢
NO CEILING	53.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.3	54.9	54.3	54.8
≥ 20000	52.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	62.8	63.8	63.E	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.J	64.0	64.5	64.0	64.5
≥ '6000	62.9	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3		64.7	64.0
≥ 14000	63.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65 - 1	65.1	05.1	65.1	65.1	<b>€5•1</b>
≥ :2006	65.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ ,0000	70.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	- 1	72.0	72.0	72.0
≥ 9000	72.2	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 8000	73.9	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	75.7	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
≥ 6000	77.6	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	∃T.d	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.D	82.0	82.0	82.0	82.0	52.D	82.0	82.0
≥ 4500	59.9	82.7	82.8	32.9	82.9	82.9	82.9	82.9	82.9	32.9	82.9	82.9	87.9	82.9	62.9	82.9
≥ 4000	33.2	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	34.3	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	36.6	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	86.7	88.7	88.7	68.7	88.7	68.7	88.7
≥ 2500	88.2	90.1	90.3	90.5	90.5	90.5	90.5	70.5	90.5	90.7	90.7	90.7	93.7	93.7	90.7	90.7
≥ 2000	89.4	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	₹0.3	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.8	93.5	93.8	93.8	93.8	93.4
≥ 1500	91.5	74.1	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	92.5	95.3	95.8	96.2	96.5	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ .000	92.9	95.7	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	73.3	96.1	96.8	97.2	97.4	97.4	97.7	97.8	97.8	98.3	98.3	96.3	98.3	98.3	98.3	98.3
≥ 800	03.3	96.2	96.9	97.3	97.7	97.7	98.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	93.3	96.5	97.2	97.6	98.0	98.0	98.3	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	93.4	96.8	97.4	97.8	98.3	98.3	98.5	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.4	96.8	97.4	97.8	98.3	98.4	98.7	98.9	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	93.4	96.8	97.4	97.8	98.3	98.5	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
> 100	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.3	100.0	100.0
≥ 0	93.4	96.8	97.4	97.8	98.3	98.5	99.1	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.c

TOTAL NUMBER OF OBSERVATIONS \_\_

LE FAL CLIMATOLOGY BRANCH PATETAC A . FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 14 HECTUR APT FARGO NU

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 1500-170 HOURS (L.S.T.)

CEILNG							٧١S	B . ** 51	ATUTE MIL	ES.						
(FEE*)	<b>5</b> .0	≥ 6	≥ 5	≥ 4	ڌ ≤	≥2%	≥ 2	≥.%	≥1%	≥ '	≥ 4	≥ %	≥ v	≥ 5/16	2.4	<b>≥</b> ≎
NO CEILING	57.1	57.9	57.0	57.9	57.9	57.9	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	5 • 1	66.€	66.0	66 . C	66.0	66.0	66.0	66.0	66 • F	66.C	66.0	66.0	66.0	66.3	66.0	66 • U
≥ 18000	65.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ .9000	t.5.3	66.3	66.3	66.3	66.3	66.3			66 • 3		66.3	66.3	66.3	66.3	06.3	
≥ '4000	66.3	67.3	67.3	67.3	67.3	67.3			67.3		67.3	67.3	67.3	67.3	67.3	67.3
≥ 2000	68.7	69.8	69.9	69.8					69.8			69.8	69.8	69.8	69.9	69.3
≥ 10000	73.8	75.3	75.3	75.3	75.3	75.3	75.3	1	75.3		75.3	75.3	75.3	75.3	75 • 3	75.3
≥ 9000	76.6	78.1	78.1	78.1	79.1	78.1	78.1		78.1	78.1	77.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	77.7	79.3	79.3		79.3	79.3			79.3			79.3	79.3	79.3	79.3	79.3
≥ 7000	79.4	81.0										81.0	81.0	81.0	61.0	
≥ 6000	82.0	83.9	83.9	83.9	83.9	83.9	83.9				83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	24.8			86.8		86.8	86.8				86.8	86.8	86.8	86.8	86.8	
≥ 4500	े5 • 5	P7.5	87.5	87.5		_			87.5		87.5	87.5		87.5	87.5	1
≥ 4000	7.8	89.8			89.8	89.8		89.8				89.8	89.8	89.8	89.8	
≥ 3500	89.0	91.0	91.0	91.0	91.0						1	91.1	91.1	91.1	91.1	91.1
≥ 3000	90.6	92.7						92.9				93.0			93.0	
≥ 2500	91.4	93.8	93.8	93.8							94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	92.9	96.0	96.0									96.8	96.8	96.8	96.8	
≥ 1800	→3.3	95.5										97.3			97.3	
≥ 1500	94.0	97.2										98.0			98.0	
≥ 1200	94.4	97.6			98.1	98.3			98.4			98.5		98.5	98.5	1
≥ .000	94.5	97.7			98.3							98.9			98.9	
≥ 900	94.6	97.8				98.5						99.1	99.1	99.1	99.1	99.1
≥ 800	94.6	97.8				98.5				99.3		99.3			99.3	
≥ 700	94.6	97.8			98.5					99.5		99.5			99.5	
≥ 600	94.5										99.7					
≥ 500	94.6	97.8									100.0					
2 400	94.6				98.5						100.0					
≥ 300	94.6				7					F	100.0			1		
≥ 200	94.6				98.5		99.1				100.0					
≥ 100	94.6		98.0	• .			99.1				100.0					
≥ 0	94.6	97.8	98.0	98.4	98.5	98.8	99.1	99.5	99.5	F00.0	100.0	100.0	130.0	130.0	100.0	100°C

744 TOTAL NUMBER OF OBSERVATIONS \_\_

SECRAL CLIMATOLOGY BRANCH JELFETAC ATH WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO NO STATION NAME

73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1803-2000

CELLING		<del></del>	<del>-</del>				v15	B CTY STA	ATUTE MILI	ES				_		
(FEET)	≶.c	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ %	≥ %	≥ 4.	≥5/16	≥ ¼	20
NO CEILING ≥ 20000	64.8	62.2		1	62.8 70.2	62.8 70.2				62.8 70.2		62.8 70.2	62.8 70.2		62.9 70.2	62.9 73.3
≥ 18000 ≥ 18000	69.4	69.8 73.2		70.0 73.4	70.3 70.7		70•3 70•7	76.7	70.3 70.7	70.7	70.7	70.3 70.7	70.3 70.7	70.7	70.3	70.4
≥ 14000 ≥ 12006	70 • 2 73 • 1	71.0 73.9	71.1	71.2 74.2	71.5	74.5	74.5	74.5		74.5	74.5	71.5	74.5	74.5	71.5	71.6
2 10000 ≤	77.3 80.0	78.1		81.0	78.6	81.3	81.3	81.3		81.3	81.3	78.6	81.3	91.3		
≥ 8000 ≥ 7000	-0•8 -3•5	81.7	84.5	84.7	82.3	84.9	84.9	84.9	84.9	84.9	84.9	82.3	84.9	84.9		82.4
≥ 6000 ≥ 5000	58.4 58.5	87.4 89.2	89.4	89.5	87.9 89.8 95.1		89.8	89.8			89.8	87.9 89.8	89.8	89.8	87.9 89.8	88.0 89.9 90.2
≥ 4000 ≥ 3500	90.5	91.4	91.5	91.7	91.9	91.9	91.9	91.9		91.9	91.9	91.9	91.9	91.9	91.9	92.1
≥ 3000 ≥ 2500	92.5	93.8	94.2	94.4	94.6	94.8	94.8	94.8		94.8	94.8	94.8	94.8	94.8		94.9
≥ 900	93.1 93.3	95.2	95.6	95.8		96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5
≥ 1500	93.8 94.6	96.9			97.4			97.7 98.5		97.7 98.7	97.7	97.7		97.7	97.7	97.8
≥ 900	94.9	97.2			98.7				99.1 99.1		99.1	99.1	99.1		99.1	99.2
≥ 800	95.0	97.3	97.8	98.4	98.8	99.1	99.1		99.2	99.2	99.2		99.2	99.2	99.2	99.3
≥ 600 ≥ 500 ≥ 400	95.2	1	98.1	98.7	99.2		99.5	99.5	99.6	99.7	99.7	99.7	99.7		99.7	99.9
≥ 300 ≥ 200	95•2 95•2 95•2	97.6	98.1	98.7	99.2		99.5	99.5 99.5 99.5	99.6	99.7		99.7	99.9	99.9	99.9	99.9 100.0
> 100 > 100 > 0	95.2 95.2	97.6	98.1 98.1 98.1	98.7	99.2	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
	73.44	7	7001	70 • 1	,,,,	7763	7703	7703	, , <u>• 0</u>	7707	7707	// 6 7	,,,,	,,,,,	7767	2000

744 TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GLCFAL CLIMATOLOGY BRANCH GFETAC ALSATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14

BECTOR APT FARGO NO

73-80

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-230L

CEILNO							VIS	BL TY ST	ATUTE MIL	ES						
(FEE*)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥ + ½	≥1%	≥1	≥ ¾	≥ %	≥ ٧.	≥ 5/16	≥ ¼	≥¢
NO CEILING ≥ 20000	65.6		65.0										66.5	66.5	66.5	60.5
	72.2	72.6		73.4		73.4				73.4						73.4
≥ '8000 ≥ '8000	72.3	72.7	72.8	73.5	-	_	73.5					73.5	73.5	73.5	73.5	73.5
	72.3	72.7								73.5	_	73.5				73.5
≥ 14000	73.1	73.5	73.7	74.3			74.3				74 • 3	74 • 3	74.3	74.3	74.3	74.3
≥ ,5000	74.7	75.1		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	70.8	80.2	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	31.0	91.G
≥ 9000	82 • Q	82.4	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	53.3	83.9	84.C	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	34.9	85.5	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	ê6.3	66.3	86.3
≥ 6000	7.5	98.6	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	59.4	59.4
≥ 5000	98.8	89.9	9 7.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	89.2	90.5	93.6		91.3									91.3	91.3	91.3
≥ 4000	₹D .6	92.1				92.9	-							92.9		
≥ 3500	91.1		93.0			93.7	93.7				93.7			93.7	93.7	93.7
≥ 1000	92.7		94.6					95.3		95.3						
≥ 2500	93.7		95.7				96.4		96.4		96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	74.2		96.6							97.3				97.3		97.3
> 1800			96.9			97.6					97.6			97.6	97.6	
≥ 1500	24.5	-	97.0	1			-				ı	-		98.0		
≥ 1200	94.6					98.3			98.3					-		
≥ 000	95.1		97.6			98.7								98.8		
> 900	95		97.6			98.7					98.9			98.9		
≥ 800	95.1		97.6			98.7										
- 100			97.6													
≥ 700 ≥ 600	95.0					98.7			1							
	95.4					99.3					99.6					
≥ 500 ≥ 400			98.4		1	99.5										
			98.7			99.7										
≥ 300		-	98.7	99.7	99.7						100.0					
≥ 200			98.7			99.7										
≥ 100	95.6	98.4	98.7	99.7	99.7	99.7										
≥ 0	95.6	98.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	ica.al	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

744

GL. PAL CLIMATOLOGY BRANCH GLAFETAC ALL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 '14

HECTOR APT FARGO ND

73-80

405

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEIUNG							v15	B.L.TY ST.	ATUTE MIL	ES			•			-
ifEE"i	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥:%	≥1%	≥1	≥ 4	≥%	≥ 4:	≥ 5/16	≥ '4	≥0
NO CEIUNG ≥ 20000	58.8 55.0	60.0 66.5	60.2 66.7	60.6 67.0	60.6 67.1	67.1	60.7 67.1	60.7	60.7 67.1	60.7 67.2		60.7 67.2	60.8 67.3	60.8 67.3	67.4	61.7 67.5
≥ 18000 ≥ 18000	55.4	66.7	66.9 67.0	67.3 67.4	67.3	67.3	67.4	67.4	67.4	67.4	67.5 67.6	67.5	67.5	67.5	67.6 67.7	67.7
≥ 14000 ≥ 12000	68.6	67.9 70.1	68.1 70.3	68.5 70.7	68.5 75.8	68.5	68.6	68.6 70.9		68.6	68.6 70.9	68.6 70.9	68.7 71.0	68.7 71.0	68.8	68.9
≥ 10000 ≥ 9000	73.3 75.5	75.0 77.2	75.3 77.5	75.7 77.9	75.7 78.0	75.7	75.8	75.8 78.0	75 • 8 78 • 1	75.9 78.1	75.9 78.2	75.9	76.0 78.2	76.0	76.1	76.2 78.4
≥ 8000 ≥ 7000	76.9 79.4	78.8	79.7	79.4 82.0	79.5 82.0		79.6		79.6 82.1	79.6	79.7	79.7	79.8	79.8 82.3	79.9	90.0 82.5
≥ 6000 ≥ 5000	51.4	83.4	83.7 85.5	84 - 1	84.2 86.0	84.2	84.3		84 • 3 86 • 1	84.3 86.1		84.4	84.5	84.5	54.6 66.3	84.7
≥ 4500 ≥ 4000	53.6 84.9	95.8 87.1	85.2 87.5	86.6	86.7	86.7 88.0	86.7 88.0	86.7 88.1	86.8	86.8 88.1	86.9 88.2	86.9 88.2	86.9	86.9	5 <b>7.</b> 0	\$7.1 88.5
≥ 3500 ≥ 3000	85.6 87.1	87.9	88.2	88.6	88.7 90.5	88.7 90.5	88.8 90.6			88.9 90.7	-	88.9 90.7	89.0 90.8	89.3 90.8	89.1	89.2 91.0
≥ 2500 ≥ 2000	67.9 88.8	90.5	1	1	91.5 93.0	91.5 93.1	91.6 93.1			91.8 93.4	91.9 93.4	91.9 93.4	91.9 93.5	91.9 93.5	92.0 93.6	92.1 93.7
≥ 1800 ≥ 1500	89.2 89.8	92.3 93.0	92.8 93.5	93.4 94.1	93.5 94.3	93.6	93.7 94.5	93.7	93.8 94.6			93.9 94.8	94.0	94.0	94 • 1 95 • 0	94.2 95.1
≥ 1200 ≥ .000	90.4 90.9	94.3	94.2 94.8	94.9 95.5	95.1 95.7	95.2 95.9		95.4 96.0		95.6 96.3	95.6 96.3		95.7 96.4	95.7 96.4	95 • B 96 • 5	95.9 96.6
≥ 900 ≥ 800	91.2 91.3	94.8		95.9 96.2	96.2 96.4	96.3 96.6	96.4 96.7		96.9		96.8 97.1	96.8 97.1	96.9 97.2	96.9 97.2	97.0 97.3	97.1 97.4
≥ 700 ≥ 600	91.3 91.5	94.9			96.6 97.0	97.2					97.9		97.4 98.0		97.5 98.1	97.6 98.2
≥ 500 ≥ 400	91.6 91.6	95.4 95.5	96.2 96.3	97.0 97.1	97.4			98.2	98.3		98.7		98 • 5 98 • 8	98.5 98.8	98.6 98.9	98.7 99.0
≥ 300 ≥ 200	91.6 91.6	95.6	96.4	97.3		98.1		98.7	98.8			99.3			99.4	
≥ 100 ≥ 0	91.6 91.6	95.6 95.6		97.3 97.3	97.8 97.8	98.1 98.1	98.4 98.4		98.8 98.8					99.4		99.9

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

5952

GLOFAL CLIMATOLOGY BRANCH . FECTAC ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 1 1 4

HECTOR APT FARGO NO

73-8C

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J**000-02**00 HOURS (L.S.T.)

CELLING							viS	BLTV ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2½	≥ 2	<b>≥</b> ∙ %	≥11/4	≥1	≥ 4	≥%	≥ 9:	≥ 5/16	≥ ¼	≥c
ONIHED OF	06.1	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.2	67.2	67.5	67.5	67.6	67.8
≥ 20000	68.5	69.0	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.6	69.6	69.9	69.9	79.0	73.1
≥ 18000	68.6	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.7	69.7	70.0	70.3	70.1	70.3
≥ .9000	68.6	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.7	69.7	70.0	70.0	70 • 1	70.
≥ 14000	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.4	70.4	73.7	70.7	70.8	71.0
≥ :2000	70.8	71.4	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.9	71.9	72.2	72.2	72.4	72.5
≥ 10000	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	75.1	75.1	75.4	75.4	75 • 6	75.
≥ 9000	75.7	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.8	76.8	77.1	77.1	77.2	77.4
≥ 8000	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.2	77.2	77.5	77.5	77.6	77.
≥ 7000	77.9	78.6	78.9	73.9	78.9	78.9	78.9	79.0	79.0	79.0	79.3	79.3	79.6	79.6	79.7	79.9
≥ 6000	80.4	81.3	81.5	81.5	81.5	81.5	81.5	81.7	81.7	81.7	81.9	81.9	82.2	82.2	62.4	62.
≥ 5000	01.4	92.2	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	62.9	82.9	83.2	R3.2	<b>63.3</b>	23.
≥ 4500	52.4	83.2	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	63.9	83.9	84.2	84.2	84.4	84.
<b>≥ 400</b> 0	33.3	84.2	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.9	84.9	85.1	65.1	85.4	85.6
≥ 3500	84.0	84.9	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.6	85.6	85.8	€5•3	36.1	96.
≥ 3000	65.6	86.4	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.2	87.2	67.5	87.5	67.8	87.
≥ 2500	87.2	88.1	88.3	88.6	88.6	88.6	88.6	88.8	88.8	88.8	89.0	89.0	89.3	89.3	39.6	89.
≥ 2000	89.0	89.9			90.B	90.8	90.8	91.0	91.0	01.0	91.3	91.3	91.5	91.5	91.8	91.
≥ 1800	90.0	91.0	91.5	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.4	92.4	92.6	92.6	92.9	93.
≥ 1500	90.6	91.5	92.1	92.5	92.6	92.6	92.6	92.8	92.8	92.8	93.1	93.1	93.3	93.3	93.6	23.
≥ 1200	91.5	92.8	93.5	93.9	94.0	94.0	94.0		-	94.2	94.4	94.4	94.7	94.7	95.0	95.
≥ ,000	72.4	93.6	94.4	95.0	95.1	95.1	95.1	95.3	95.3	95.3	95.6	95.6	95.8	95.B	96.1	96.
≥ 900	92.9	94.2	95.0	95.6	95.7	95.7	95.7	95.8	95.8	95.8	96.1	96.1	96.4	96.4	96.7	96.
≥ 800	93.6	95.0	95.8	96.4	96.5	96.5	96.5	96.7	96.7	96.7	96.9	96.9	97.2	97.2	97.5	97.0
≥ 700	94.2	96.0	96.8			97.6	97.6	97.8	97.8			98.1	98.3	98.3	98.6	98 • 8
≥ 600	94.2	96.0	96.8	97.5	97.6	97.6	97.6	97.8	97.8	97.8	98.1	98.1	98.3	98.3	98.6	98.
≥ 500	94.2	96.3	97.1	97.8	97.9			98.2	98.2	_		98.6			99.3	
≥ 400	94.2	96.3	97.1			98.3	98.5	98.6	98.6	98.8	99.0	99.0	99.3	99.3	99.7	99.9
≥ 300	94.2	96.3	97.1					98.6	98.6	98.8		99.0		99.3	99.7	99.
≥ 200	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.8				99.2		99.4	99.7	100.
> 100	94.2	96.3	97.1	97.9	98.3	98.3				-	99.2			99.4	99.9	CO.
2 0	94.2	96.3	97.1	97.9	98.3	98.3	98.5	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.9	100.

TOTAL NUMBER OF OBSERVATIONS \_\_

720

GETTAL CLIMATOLOGY BRANCH UT AFETAC ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 14

HECTOP APT FARGO ND

STATION NAME

73-80

SEF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

330-0500

CELING		<del>-</del>				_	VIS	iB-L TY 57.	ATUTE MILI	ES					_	
1466.2	≥ .c	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥ ; %	≥11/4	≥1	≥ ¼	≥%	≥ ٧.	≥ 5/16	≥ 4	≥¢
NO CEIUNG ≥ 20000	63.3 (5.7	64.7		64.9		- 1	65.0 66.9		65.3 67.2		65.7	65.7	67.8	66.	56.3 67.9	66.0 67.9
≥ 18000 ≥ 2000	55.8	66.8	66.8	66.9	66.9	66.9	67.1	67.4	67.4	67.5	67.8	67.8	67.9	65.1	68.1	66.1
≥ 14000	55.3 56.7	67.6	67.6	67.8	67.8	67.8	67.9	68.2	68.2	67.5	68.6	68.6	68.8	68.9	68.9	68.9
≥ '2000'	68.2 70.6	71.5		71.7	69.3 71.7	69.3 71.7	71.8	69.7 72.1	72.1	69.9 72.2	70.1	70.1	70.4	70.6	70.6	70.6
≥ 9000	72.5	73.6	73.6 75.1	73.8	73.8 75.3				74.2	74.3 75.8	74.6	74.6	74.9	75.0 76.5	75.0 76.5	75.3
≥ 7000 > 6000	76 • 4 75 • 8	77.4	77.4	77.5	77.5	77.5		77.9	77.9	78.1	78.3		78.6			78.8 91.1
≥ 5000	70.2	80.1	80.1	80.3	80.3	80.3	80.4	80.7	80.7	80.8	81.1	81.1	81.4	81.5	51.5	81.5
≥ 4500 ≥ 4000	60.0 50.7	81.7	81.7			81.8	81.3	82.2	82.2	82.4			82.9		82.4 63.1	82.4 83.1
≥ 3500 ≥ 3000	81.1 82.4	82 <b>.2</b> 83.5		82 • 4 83 • 6		82.4 83.6	82.5 83.8		84.D	82.9 84.2	83.2 84.4	83.2 84.4	83.5 84.7	83.6 84.9	33.6 64.9	83.6
≥ 2500 ≥ 2000	84.2	85.3	85.3			85.4 87.8				86.0 88.3	86 • 3 88 • 6	86.3 88.6		86.7 89.0	86.7 89.0	86.7 89.3
≥ 1800 ≥ 1500	67.5		88.9			89.0 89.7	89.2		1	89.6		89.9 90.6		90.3	90.3 91.0	90.3 91.5
≥ 1200 ≥ ,000	90 · 3	91.7		92.1	92.1		92.2	92.5	92.5	92.6	92.9	92.9	93.2	93.3	y 3 . 3	93.3
≥ 900 ≥ 800	21.5	93.1	93.5	93.6	93.6	93.6	94.0	94.3	94.3	94.4	94.7	94.7	95.0	95.1	95.1	95.1
≥ 700	92.1	93.8	93.6	94.3	94.3	93.8	94.7	95.0	95.0	95.1	95.4	95.4	95.7		95.8	95.8
≥ 600	92.4	94.6	94.4		95.7	94.6	96.5	96.8	96.8	96.9	97.2	97.2				
≥ 400	92.6	94.7		96.5		96.5								98.3	98.3 98.8	
≥ 200 > 100	92.6	94.7	95.7 95.7	96.7	96.9	97.1	97.8	98.1		98.2	98.5	98.5	98.8			
> 100 > 0	92.6	94.7		96.7	-	97.1				98.2			-		• -	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

720

SELPAL CLIMATOLOGY BRANCH - FATETAC AT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14 HECTOR APT FARGO NO

73-60

SEF

720

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE

080-0800

HOURS (L.S.Y.) (FROM HOURLY OBSERVATIONS)

CELNG		· <del>-</del>					v15	B . ** STA	ATUTE MIL	ES			<del>-</del>			
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄2	≥ 2	≥ , %	≥1%	≥1	≥ 4	≥ %	≥ ٧	≥ 5/16	≥%	≥c
NO CEIUNG ≥ 20000	23.3 57.9	55.4 63.1	55.6 60.4	55 · 8	55.8 60.7		56.1 61.0	56.1 61.0	56.3 61.1		56.4 61.3	56.4 61.3	56.5 61.4	56.7 61.5	57.1	57.1 61.9
≥ 18000 ≥ 18000	57.9 57.9	60.1 60.1	60.4 60.4	60.8 60.8	60.8	60.8 60.8	61.1	61.1	61.3	61.4	61.4	61.4	61.5	61.7	62.1	62.1
≥ 14000 ≥ 12000	58.3 60.0	60.6 62.2	<b>6</b> D.8	61.3	61.3	61.3	61.5	61.5	61.7		61.8	61.8	61.9	62.1	62.5	62.5
2000° ≤	62.9 64.2	65.3 66.7		66.0 67.4	66.0 67.4	66.C		66.3	66.4	66.5	66.5 67.9	66.5		66.5 68.2	67•2 68•6	67.2 68.6
≥ 8000 ≥ 7000	66.0 69.7	68.5 72.4	68.8 72.6	69.2 73.1	69.2	1		69.4			69.7 73.9	69.7		73.0 74.2	70.4 74.6	70.4 74.6
≥ 6000 ≥ 5000	71.9	74.7 75.7		75.4 76.4	75.7 76.7	75.7 76.7	76.0 76.9	_		76.3 77.2		76.3 77.2		76.5 77.5	76.9 77.9	76.9
≥ 4500 ≥ 4000	73.5 74.7	76.5 77.8		77.4 78.6		77.6 78.9			78.2 79.4	1		1			79.5 20.3	1
≥ 3500 ≥ 3000	75 • 0 75 • 4	78.1 78.5	78.5 78.9		79.2 79.6		79.6 87.0			- 1		-		80.1 80.6	87.6 81.5	30.6 81.0
≥ 2500 ≥ 2000	76.3 77.4	- 1	79.9 81.1			80.6 81.8	81.0 82.2		81.1 82.4	81.3 82.5	81.3 82.5	81.3 82.5	81.4 82.6	81.5 82.5	੪1•9 33•2	
≥ 1800 ≥ 1500	73.6 43.4	1	82.4 84.3	84.7	85.0		85.6	85.6	83.8 85.7	83.9 85.8	83.9 85.8	83.9 85.8		84.2 86.1	34 • 6 5 • 5	84.5 86.5
≥ 1200 ≥ 1000	82.2 84.2	85.7 88.1		88.9	89.2	89.4	87.5 90.1		87.6 90.3	87.8 90.6		87.8 90.6		88.1 90.8	88.5 91.3	
≥ 900 ≥ 600	85.7 35.7	89.0 89.7	90.1	90.7		91.3	91.9	91.9	92.1	-	92.4	91.5 92.4	92.5	92.6	93.1	
≥ 700 ≥ 600	36.7 87.4		92.5	93.2	93.6	93.9	94.6	94.7	93.5	95.1	93.8 95.1	93.8 95.1	95.3	95.4	94.4 95.8	95 B
≥ 500 ≥ 400			93.2	93.9	94.2		95.7	95.8		96.3		95.7	96.4	96.5	96.4	
≥ 300 ≥ 200	87.6		93.5	94.2		95.1	96.4	96.7	96.8	97.4	97.4	96.9	97.5	97.8	98.2	98.6
> 100 > 0			93.5 93.5		94.9					97.4			97.6	97.9 97.9	98.6 98.6	

TOTAL NUMBER OF OBSERVATIONS \_\_

GERRAL CLIMATOLOGY BRANCH UTAFETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_0900**-11**00 HOURS (L.S.T.)

CEILNG							٧١S	B. ** ST	ATUTE MIL	£5						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥.%	≥1%	≥1	2 %	≥ %	≥ ٧.	≥ 5/16	2 %	≥0
NO CEIUNG ≥ 20000	55.1 60.3	55.7		55.8 61.0	55.8 61.	55.8 61.0	56.0 61.1		56.0 61.1			56.0 61.1	56.0 61.1	56.0 61.1	56.0 61.1	56.7 61.1
≥ 18000	50.5 60.7	61.1	61.3	61.3	61.3		61.4	61.4	61.4		61.4	61.4	61.4	61.4 61.5	01.4 61.5	61.4
≥ 14000 ≥ 12000	61.1	61.7	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.0	61.9	61.9	61.9	61.9 52.4	61.9
2000° ≤	53.6 65.8	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4		64.4	64.4	64.4	64.4	64.4	64.4 56.8
≥ 8000 ≥ 7000	68 3 70 7	59.0		69.2	69.2	69.2	69.3	69.3	69.3		69.3	69.3	59.3 71.8	69.3	69.3	69.3
≥ 6000 ≥ 5000	72.4	73.2 73.9	73.3		73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5		73.5	73.5	73.5
≥ 4500 ≥ 4000	72.8 73.6	74.0	74.2	74.2 75.1	74.2 75.1		74.3	74.3	74.3		74.3	74.3	74.4	74.4	74.4	74.4
≥ 3500 ≥ 3000	74.9	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7 76.5	75.7	75.7	75.8			_ : : : : : : : : : : : : : : : : : : :
≥ 2500 ≥ 2000	77.2 80.4	78.6			78.8	78.8				78.9 82.4		78.9 82.4				
≥ 1800 ≥ 1500	61.7 54.2	83.2						83.8 86.7		83.9 86.8		83.9 86.8	- "			86.9
≥ 1200 ≥ 1000	88.5	89.3		89.9 91.7		_	-			90.7 92.5		90.7		93.8		90.8
≥ 900 ≥ 800	89.3 89.7	92.1	92.8 93.3			93.5 94.0				93.8	-			93.9		93.9
≥ 700 ≥ 600	89.7	93.3			95.3 96.5				95.6 96.8					95.8 97.1		95 · 8
≥ 500 ≥ 400	9D.6	94.9				97.8 98.1		98.2	98.2	98.1 98.3				98.2 98.5	3	98.2 98.5
≥ 300 ≥ 200	90.7 90.7	95.3 95.3	96.3 96.3	97.4		98.9 98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.6		99.7	
≥ 100 ≥ 0	90.7 90.7	95.3 95.3	96.3 96.3	97.4 97.4		98.9 98.9				99.4						99.9 180.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

720

GLUFAL CLIMATOLOGY RRANCH LIFELTAC AL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14

HECTOR APT FARGO NO

73-80

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1237-1460 Hours (L.S.T.)

CEIL NO							•1S	B. TV ST	ATUTE MIL	€5						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ %	≥1%	≥'	≥ 4	≥ %	≥ ٧.	≥5/16	≥%	≥¢
NO CEUNG ≥ 20000	56.3 60.3	56.3 60.6	56.3 60.6		56.3 60.6	56.3 68.6		56.3 60.6	56.3 60.6		56.3 60.6	55.3 60.6	56.3 63.6	-	56.3 60.6	56.3 60.6
≥ 18000 ≥ 18000	60.3 63.3	63.6		60.6	60.6 60.6	60.6 60.6	60.6	60.6	60.6	60.6	60.6	60.6 60.6		60.6	60.6 60.6	60.6 63.6
≥ 14000 ≥ 12000	61.9				62.2	60.7	52.2	62.2	62.2	62.2	60.7 62.2	60.7	62.2	62.2	62.7	$\overline{}$
0000′ ≤	64.7	65.D 66.1		66.1	65.0	65.0	66.1	66.1	66.1	66.1	66.1	65.D	66.1	66.1	o5.7	65.0
≥ 8000 ≥ 7000	67.6 69.4				70.3	73.3	70.3	70.3	68 • 1 70 • 3	70.3	68.1 70.3	73.3	68.1 70.3	73.3	70.3	
≥ 6000 ≥ 5000 ≥ 4500	72.6	71.7 73.3 74.2	73.9	72.1 73.9 74.7		72.1		73.9		73.9		72.1 73.9 74.7	72.1 73.9 74.7	73.9	72.1 73.9 74.7	
≥ 4000 ≥ 3500	76.1 79.0	76.8	- 1			77.4	77.4	77.4		77.4	77.4	77.4	77.4		77.4 63.3	74.7 77.4
≥ 3000 ≥ 2500	£1.5	82.2	- "		82.8 86.0	82.8 86.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8 86.0	82.3	85.0	86.0
≥ 2000	87.6	88.6	89.2		89.2			89.2	89.2			89.2 90.1	89.2 90.1	89.2	89.2 90.1	
≥ 1500	90.9 92.2	91.8	92.4	92.4	92.4	92.4		92.4		92.4		92.4	92.4	92.4	92.4	92.4
≥ ,000	94.0	95.8		96.3 96.8	96.5	96.5		96.5 97.1	96.5 97.1			96.5 97.1	96.5		96.5 97.1	97.1
≥ 800 ≥ 700	94.5	96 • 1 96 • 7	96.9		97.5	97.5		97.5 98.3				97.5			97.5 98.3	97.5
≥ 500	94.7	97.6		99.0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.3 99.4	99.4
≥ 400	94.7	97.8	98.6			99.4	99.4	99.6	99.7	99.7		99.7	99.9	99.9	99.9	99.9
≥ 100 > 0	94.7	97.8	1	99.0	99.4		99.6	99.7	99.9	99.9	99.9	99.9	00.0	100.0	100.0	100.0
≥ 0	94.7	97.8	98.6	99.0	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.3	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

72'

SE AL CLIMATOLOGY BRANCH AFETAC ATH REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

HECTOP APT FARGO NO

73-80

SED

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTI 15 JD-1700

CE L NO							viS	18 C T ST	ATUTE MIL	<b>E</b> S						
(FEE*)	vi S	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . ½	≥1%	≥,	≥ 4	≥ %	≥ ∨	≥ 5/16	2 4	≥¢
NO CEIUNG ≥ 20000	57.8 63.3	57.9 63.5		-		57.9 63.5	57.9 63.5		57.9 63.5	57.9 63.5	57.9 63.5	57.9 63.5	•	57.9 63.5	57.9 63.5	57.9 63.5
≥ 18000 ≥ 15000	43.6 33.6	63.8 63.8	63.8 63.8	63.8 63.8	63.8 63.8	63.8 63.8	63.8 63.8		63.8 63.8		63.8 63.8	63.8	63.8 63.8	63.8 63.6	63.8 63.8	63.8 63.F
≥ 14000 ≥ 12000	64.7 65.0	64.2 65.1	64.2	64.2 65.1	64.2 55.1	64.2 65.1	64.2 65.1	64.2 65.1	64 • 2 65 • 1		64 • 2 65 • 1	64.2	64.2 65.1	54.2 65.1	54.2	64.2 65.1
2 1000€ 2000 ≤	68.1 69.4	68.2 69.9		68.2 69.9	68.2 69.9	68.2 69.9		68.2 69.9	68.2 69.9		68•2 69•9	68.2 69.9		68.2 69.9	69.9	68.2 69.9
≥ 8000 ≥ 7000	70 • 1 72 • 6	70.6 73.1	70.6 73.1	73.1	73.1	70.6 73.1	70.6 73.1			70.6 73.1	79.6 73.1	70.6 73.1			73.6	73.6 73.1
≥ 6000 ≥ 5000	76 • 1 78 • 2	76.8 79.0	76.9 79.2		76.9 79.2	76.9 79.2	76.9 79.2	76.9 79.2		76.9 79.2	76.9 79.2	76.9 79.2			76.9 79.2	75.9 79.2
≥ 4500 ≥ 4000	7°•6	80.6 83.6		83.8		80.7 83.8	83.8		83.8	83.8	83.E	80.7 83.8		83.7 83.8	აც.7 ავ.8	
≥ 3500 ≥ 3000	3.6 €7.2	84.6 88.5			84.7	84.7 88.6	88.6	-	84.7		84.7 88.6	84.7 88.5	84.7 38.6	88.6	54.7 58.6	94.7 68.6
≥ 2500 ≥ 2000	89.J 91.3	90.3 92.6		92.9	93.1	90.6 93.1	93.2	93.3	93.3	93.3	90.8 93.3	93.3 93.3	93.3	93.3	90.8 93.3	90.8 93.3
≥ 1800 ≥ 1500	92.1 92.9		94.7	94.7	94.9	94.0 95.0	95.1	95.3		95.3	94.3 95.3	94 • 3 95 • 3		95.3	94.3 95.3	
≥ 1200	93.6 94.4	95.1 96.3		96.7			97.4	97.5	97.5	97.5		96.3 97.5	97.5	97.5	96.3 97.5	97.5
≥ 900 ≥ 800	94.7	96.5		97.8	97.1		98.6	98.8	98.8	98.8	98.8	97.8 98.8	98.8	98.8		98.8
≥ 700 ≥ 600	95.6	97.9	98.3	98.5	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.0 99.4	99.4	99.4	99.4	99.4
≥ 500 ≥ 400	95.7	97.9	98.3	98.5	98.6	99.0	99.4	99.6	99.6		99.6		99.6	99.5	99.6	99.5
2 300 2 200	95.7 7 <b>5.</b> 7	97.9	98.5		98.9		99.9	100.0	100.0	100.0	99.9 100.0	100.0	100.0	100.3	100.0	100.0
≥ 100 ≥ 0	9 <b>5.7</b> 9 <b>5.7</b>	97.9			98.9			_			130.0					

LICAL CLIMATOLOGY RRANCH WILL SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 SECTOP APT FARGO NO

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000 HOURS (C.S.T.)

CERNO							VIS	B . * V ST	ATUTE MIL	ES						
(FEE*)	≥ ; c	≥6	≥5	≥ 4	≥ 3	≥2%	≥2	≥ . %	≥1%	≥1	≥ ¼	≥%	≥ ٧.	≥5/16	≥ 4	≥č
O CERUNG	63.1	53.2	63.2	63.2	63.2	63.2	67.2	53.2	63.2	63.2	63.2	63.2	63.2	63.2	53.2	63.
≥ 20000	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.
≥ 18000	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.
≥ 16000	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6		67.6	67.
≥ '4000	68.5		68.6	68.6				i l				68.6	68.6	68.6	68.5	€8.
≥ .500€	70.0	70.1	70.1	70.1	7C • 1	70.1	70.1	70.1		73.1	70.1	70.1	73.1		73.1	70.
≥ 10000	71.9	1	72.1	72.1	72.1	72.1	72.1	72.1			72.1		72.1	72.1	72 • 1	72
≥ 9000	73.3				73.5		$\overline{}$			73.5	$\overline{}$		73.5			_
≥ 800C	74.5	74.7	74.7	74.7		-		74.7				_ '	7 . 7	74.7	74.7	l ' ' '
≥ 7000	77.1		77.2	77.2	77.2					77.2			77.2	77.2		
≥ 6000	79.4	79.6	79.6		79.6					79.6			79.6	79.5	79.6	79.
≥ 5000	<b>%1.4</b>	81.5			81.5					91.5			81.5	81.5		
≥ 4500	€2.6	82.9	82.9		82.9			82.9		_	_			82.9	32.9	
≥ 4000	∘5•3	95.6			85.6											
≥ 3500	86.7				86.9					1	-					
≥ 3000	89.9					93.6				96.6		90.6		90.5		
≥ 2500	91.3		92.1								1			92.5		
£ 2000	65.5					94.2									-	
≥ 1800 ≥ 1500	92.3	94.4			95.0								95.1	95.1		l
	93.3					95.4		95.6		95.6			95.6			
≥ 1200	93.9						96.5							96.5		
≥ ,000	94.2					97.1				97.2				97.2		
± 90€	54.3	1	1			97.8			- 1	97.9				97.9	97.9	
≥ 800	94.4						98.2							98.2		
≥ 700 ≥ 600	94.4					98.2		-		98.5	1	: 1				1 -
2 000	94.5						98.8									
≥ 500 > 400	94.7	_ : :	97.6			98.8				99.0						
	94.7			98.6												
≥ 300 ≥ 200	94.7		97.8			99.0				100.0					T .	ľ
	54.7			98.6												
> 100	94.7			98.6						100.0						,
2 0	94.7	96.7	97.8	98.6	99.0	99.0	99.9	99.9	100.0	րոը∙ը	10.00 u	100.0	TOC • 0	T00.0	ם•מטו	100

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

77.

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ULL AL CLIMATOLOGY BRANCH UNFECTAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 1 +

HECTOP APT FARGO NO

73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH 2133-2303 Hours (L.S.T.)

CELNG							v15	:B . *¥ ST.	ATUTE MIL	<b>E</b> S						
(FEE")	≥ .0	≥6	≥ 5	≥ 4	≥ 3	≥2%	23	≥ . ⅓	≥1%	≥1	≥ ¼	≥ %	≥ ∀:	≥ 5/16	2 %	<b>≥</b> 0
NO CEUNG ≥ 20000	(6.4	66.7	66.7		66.7		_		66.7		66.7	66.7 69.4	,		06.7	66.7
≥ 18000	60.2	59.4					69.4			69.6		69.6			69.6	69.6
≥ 18000	69.3	69.6				-	1					69.6				69.6
	69.3				69.6					69.6						
≥ 14000 ≥ 12000	70.6	7).8						1			70 - 5	70.8	, ,		70.8	
	72.2				72.5			72.5		$\overline{}$	72.5	72.5		72.5		_
3006 ₹ 2000. ₹	74.3	74.6			74.6			'			74.6					
	75.6	75.8			75.8			75.8			75.8					75.3
≥ 8000 ≥ 7000	75.3	76.1	76.1				_		76.1						76.1	76 - 1
	73.2	78.6			78.6						78.6			78.6	78.5	78.5
≥ 6000	-3.8	91.3					l l					_			51.3	
≥ 5000	₹2.9	83.3	83.5	83.5	83.5	83.5	83.5	A3.5				83.5				
≥ 4500	54.4	35.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	95.1	45.1	65.1
≥ 400C	<u>∂6.1</u>	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	₹6.7	86.7
≥ 150C	56.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	67.4	87.4	37.4	97.4
≥ 3000	58.6	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	69.3	89.3
≥ 2500	91.0	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
<i>≥</i> 2000	92.4	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	92.8	93.9	94.0	94.0	94 . D	94.0	94.0	94.0	94.C	94.0	94.0	94.0	94.0	94.3	94.0	94.
≥ 1500	92.9	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	94.5	95.4	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ .000	+4.6	96.1	96.8	96.9	97.1	97.1	_		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2 90c	24.9	96.5	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	95.0	96.9	97.6						98.1	98.1		98.1	99.1	96.1	98.1	98.1
≥ 700	95.4	97.4		96.5								98.6				98.6
≥ 600	95.7	97.8	98.5					99.0		99.0			_		99.0	99.0
≥ 500	75.7	97.8								99.2				99.2		
≥ 400	95.7	97.8	_			. –	99.3			99.3		99.3		99.3		
≥ 300	95.7	97.8								99.4		99.4				
≥ 200	95.7	97.8							•		99.9					
> '00	95.7		98.6		99.4						99.9					
≥ 100 ≥ 0	95.7	97.8									99.9					
	7301	7/69	7000	7704	7709	7764	_ , , , , ,	7707	7767	7707	7707	7767	H 0 0 + 0	40000	μ <b>υ υ •</b> υ	E C U O I

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CL PAL CLIMATOLOGY BRANCH L FETAC A SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 1 4

CONTRACTOR AND SAME

73-80

SED

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEIUNG							viS	B L TY 5T	ATUTE MIL	ES						
IFEET)	≥ 1C	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ ?	≥ . %	≥1%	≥1	≥ 4	≥ %	≥ v.	≥ 5/16	≥ ′4	≥c
NO CEILING ≥ 20000	60.2 64.0	60.8 64.7	60.9 64.8	60.9 64.8	60.9 64.8	60.9 64.8		61.ū 64.9	61.1		61.2 65.1	61.2 65.1	61.2 65.1	61.3 65.2	61.3 65.2	61.4 65.2
≥ 18000 ≥ 16000	64 • 2 54 • 2	64.5	64.9	65.D			65.1	65.1	65.1 65.1	65.2 65.2		65.2 65.2	65.3			65.4
≥ 14000 ≥ 12000	64.9 66.2	65.5			67.0		67.1	67.1	65.8	67.2	65.9	65.9		67.4	66.1	
≥ 10000	68 • 8 70 • 3	71.0	69.5	69.6	69.6 71.2		71.3	71.3	71.3	71.4			71.5	71.5	71.6	
≥ 8000 ≥ 7000	71.6	72.3	72.4		72.5	72.5			72.6 75.2	75.2	75.3	72.7	75.4	75.4	75.5	
≥ 6000 ≥ 5000	76.3	77.3	78.8	77.5 78.9		77.5 78.9	79.0	1			77.8 79.2 80.2	77.8 79.2 80.2	79.3			78.3 79.4 80.5
≥ 4500 ≥ 4000	78.6 30.3	79.7 81.4	81.6	31 · 7	80.0 81.7	80.0 81.7 82.7	81.8	81.8	81.9	81.9			62.1		62.2	92.2
≥ 3500 ≥ 3000 ≥ 2500	23.2	84.4	84.6	84.7	84.7	84.7	84.8	84.8		84.9	85.0	85.C 87.1	85.1	85.1	35.2 37.3	85.2
≥ 1800	87.1	88.6	88.8		89.0	89.0	89.2	89.2	89.3 90.3	89.3	89.4	89.4 90.5	89.5			89.6
≥ 1500	89.2 70.6	90.8	1	91.3	7		91.5	91.6	91.6	91.7		91.8	91.9		92.0	
2 000		93.6	(	94.5	94.7	94.7	94.9	95.0	95.0	95.1			95.3	95.3		
≥ 800	92.5			95.6	95.8	95.9	96.1	96.2		96.3	96.4	96.4	96.5			96.6
≥ 600	93.1		96.4		97.2	97.3	- 1				97.8 98.3				98.0 98.6	
≥ 400	93.2			97.5		98.0	98.5	98.6	98.6	98.7	98.8 99.1	98.8	98.9	98.9	99.0	99.3
2 200	93.2	96.1	97.0								99.3				99.6	
≥ 0	93.2		-			-		1			99.3		, ,	99.5	39.7	1:0.3

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 576 3

CLUBAL CLIMATOLOGY BRANCH CAFETAC

AL ADATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -14 HECTOP APT FARGO NO

73-80

SCT MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0201 HOURS (L. A)

CELNO							٧١S	B . TY STA	ATUTE MIL	<b>E</b> S						
12EE')	≥ .c	≥ 6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ 4	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥¢
NO CENINO	57.4	57.5	57.7	58.1	58.1	58.1	58.1	58.1	58.1	56.1	58.1	58.1	58.1	58.2	58.7	58.2
≥ 20000	<u> </u>	61.6	62.	62.5	62.5	62.5	62.5				62.5	62.5			62.6	
≥ 18000	61.8	62.0	62.1	62.6	62.6	62.6	62 • 6	62.6	62.6		62.6	62.6	62.6	62.8	62.8	62.8
≥ 550%	01.3	62.U	62.1	62.6					62.6		62.6	62.6	62.6	62.8		
≥ '4000	02.5	62.B	62.9	63.4	63.4	63.4		1	63.4		63.4	63.4	63.4	63.6	03.6	63.€
≥ 2000	64.2	64.4	64.5		65.1	65.1	65.1				65.1	65.1	65.1	65.2	65.2	$\overline{}$
20000' ≤	68.1	68.3	68.4	69.0	69.0	69.0			69.0		3.99	69.0			69.1	69.1
≥ 9000	69.5	69.8	69.9									73.4			70.6	
≥ 8000	71.0	71.2	71.4	71.9		71.9			71.9		71.9	71.9			72.C	72.5
≥ 7000	73.4	73.7	73.5	74.5				_	74.6			74.6			74.7	
≥ 6000	75.4	75.7	75 · 8								76.6	76.6			76.7	76.7
≥ 5000	73.4	78.8	73.9								79.7	79.7	79.7			
≥ 4500	ಾರಿ•1∤	80.5		1	81.3				81.5		81.5	81.5	01.5	91.6	31.6	81.6
± 4000	32.7	52.4	82.5	83.2					83.3			83.3	63.3		83.5	
≥ 3500	z 2 • 7	83.1	83.2	83.9	1				-		- 1	84.0			34.1	84.1
≥ 3000	33.9	84.5							85.5			85.5			95.6	
≥ 2500	₹ <b>7.1</b>	87.8							88.7		88.7	88.7		-	88.8	
≥ 2000	89.1	89.9					91.1		91.1			91.1				
≥ 1800	89.9	91.0		92.2						92.3					92.5	92.5
≥ 1500	90.7	91.8								93.1					₹3.3	
≥ 1200	92.3	94.1	1							95.8	- 1	95.8			96.0	96.0
≥ .000	93.4	95.4						97.2								
≥ 900	94.0	96.0	96.1	97.4						97.7		97.7			97.8	
≥ 800	94.1	96.0			97.6					97.7		97.7			97.8	
≥ 700	94.4	76.4						1		98.1	- 1				98.3	
≥ 600	94.4				98.1			98.3			98.3				98.4	
≥ 500	04.8	96.9			98.6						98.9				99.1	
≥ 400		97.2									99.2				99.3	
≥ 300			- 7			_					99.3					
≥ 200		97.3									99.7				39.9	
≥ 100		97.3							- 1		99.7					100.0
≥ 0	95.₫	97.3	97.7	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

GEREAL CLIMATOLOGY BRANCH L'AFETAC 41 REATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 - 1 4

HECTOP APT FARGO NU

73-80

101

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J330-0500 Hours (L.s.v.)

CELNO							V1S	B . T STA	ATUTE MILL	ES						
(FEE')	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥ √ ½	≥1%	≥1	≥ %	≥ %	≥ ٧.	≥5/16	≥ %	≥¢
NO CEILING	57.1	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	\$8.6	58.6	58.6	58.6	58.6	58.9
≥ 20000	59.3	59.8	67.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	63.9	63.9	60.9	61.2
≥ 18000	59.4	59.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4
≥ .900€	59.4	59.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4
≥ 14000	6D.3	63.9	62.0	62.1	62.1	62.1	62.1		62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.4
≥ :2000	61.3	61.8	62.9	63.0	63.0	63.0		63.0			$\overline{}$	63.0				
≥ 10000	55.6	66.1	67.2	67.3	67.3	67.3	67.3		67.3		67.3	67.3		67.3	67.3	67.5
≥ 9000	66.9	67.5	68.7	68.8			68.8			68.8	68.8	66.8			68.8	
≥ 8000	67.7	69.3	69.5	69.6		69.6			69.5		69.6	69.6	60.6	69.6	59.6	69.9
≥ 7000	70.6	71.1	72.3	72.4		72.4	72.4	72.4								72.7
≥ 6000	71.9	72.7	73.9	74.1	74 . 1	74.1	74.1		74 - 1	74.1	74.1	74.1	74.1	74.1	74.1	74.3
≥ 5000	74.3	75.1	76.3	76.5	76.5	76.5		76.5		76.5	76.5	76.5	76.5	76.5		76.7
≥ 4500	75.5	76.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0
≥ 4000	78.5	79.4	80.8	80.9	80.9	80.9	80.9		80.9		80.9	83.9			60.9	81.2
≥ 3500	79.6	80.5	81.9	82.0	82.0	82.0			82.C	82.0		82.0	32.0	82.0	82.0	A2.3
≥ 3000	⇒2 • 1	83.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	34.5	84.8
≥ 2500	84.4	85.6	87.0	87.1	87.1	87.1	87.1	87.1	67.1	87.1	37.1	87.1	87.1	87.1	87.1	87.4
≥ 2000	_38.Q	89.9	91.4	91.5		91.5	91.5			91.5		91.5				
≥ 1800	88.8	90.7	92.2	92.3			92.3		92.3		92.3	92.3		92.3	92.3	92.5
≥ 1500	89.7	91.5	93.0	93.1	93.1		93.3			93.3		93.3	93.3		93.3	93.5
≥ 1200	90.9	92.9	94 . 4	94.5	94.5	94.5				_	- 1	94.6	94.6	94.6	94.6	94.9
≥ ,000	21.4	93.4	94.9	95.2	95.2	95.2	95.3	95.3			95.3	95.3	95.3		95.3	95.6
≥ 900	91.7	93.7	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
≥ 800	91.5		95.4	95.7	95.7	95.7				96.0						
≥ 700	92.6	94.8	96.4	96.6	96.6	96.6				96.9		96.9				97.2
≥ 600	93.1	95.4			97.6	97.6	97.8	97.8		97.8	97.8	97.8	97.8		97.8	98.1
≥ 500	93.1	95.4	97.2	97.8	97.8	97.8	98.1			98.1	98.1	98.1	98.1	98.1	98.1	98.5
≥ 400	93.1	95.4	97.3	98.0	98.1	98.1			98.4			98.4		98.4	98.4	
≥ 300	93.1		97.3	98.0	98.1	98.1	98.4		98.4		98.4	98.4		98.4	98.4	98.9
≥ 200	93.1	95.4		98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.3
> 100	93.1	95.4	97.3	98.3	98.5	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	0.01
≥ 0	93.1	95.4	97.3	98.3	98.5	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

74

USAF ETA	C PORM	0-14-5 (OL A)	-	THIS FORM ARE	0840LE
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CLUSAL CLIMATOLOGY BRANCH CONFETAC ATH REATHER SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 14

HECTOR APT FARGO NO

73-80

OCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
L630-0800
HOURS (L.S.Y.)

CELNO			_				٧١S	BLITY ST	ATUTE MIL	ES						
(FEE")	≥ .c	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ۰ ⅓	≥۱%	≥1	≥ ¾	≥ %	≥ 4;	≥ 5/16	≥ ¼	≥0
NO CEIUNG	-1.5	53.8	53.9	54.2	54.4	54.4	54.7	54.7	54.7	54.7	55.C	55.1	55.1	55.1	55.1	55.4
≥ 20000	53.4	56.5	56.9	57.3	57.5	57.5	57.8	57.8	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.5
≥ 18000	54.1	56.7	57.1	57.5	57.8	57.8	58.1	58.1	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.7
≥ .9000	54.7	56.7	57.1	57.5	57.8	57.8	58.1	58.1	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.7
≥ 14000	55.5	58.2	58.4	59.0	59.3	59.3	59.5	59.5	59.5	59.5	59.8	59.9	59.9	59.9	59.9	60.2
₹ .5000	56.3	59.5	59.9	60.3	60.6	60.6	60.9	50.9	60.9	60.9	61.2	61.3	61 • 3	61.3	61.3	61.6
2000°. ≤	01.7	64.4	64.8	65.2	65.5	65.5	65.7	65.7	65.7		66.0	66.1	66.1	66.1	66.1	66.4
≥ 800C	€3.3	65.9	66.3	66.7	66.9	66.9	67.2	67.2	67.2	67.2	67.5	67.6	67.6	67.6	67.6	67.9
≥ 8000	63.3	66.1	66.5	66.9	67.2	_	67.5	67.5		Ī	67.7	67.9	67.9	67.9	67.9	68.1
≥ 7000	65 . 1	68.8	69.2	69.6	69.9	69.9	70.2	70.2	70.2	70.2	70.4	70.6	75.6	73.6	73.6	70.5
≥ 6000	68.	71.0	71.4	71.8	72.0								72.7	72.7	72.7	73.0
≥ 5000	69.9	73.0	73.5			74.2				74.5	74.7			74.9	74.9	75.1
≥ 4500	71.2	74.3		75.3	75.5			75.8			76.1	76.2	76.2	76.2	76.2	76.5
≥ 4000	73.4	76.7	77.3		78.0			78.2	-	78.2	78.5			1		78.9
≥ 3500	74.6	78.0	79.5	78.9	79.2		79.4	79.4			79.7	79.8		79.8	79.8	86.1
≥ 3000	75.7	80.2	80.8	81.2	81.5	,					82.0	82.1	82.1	82.1	82.1	82.4
≥ 2500	79.4	83.1	83.6	84.0	84.3			84.5			84.8		84.9	84.9	64.9	P5.2
≥ 2000	62.7	86.6		87.5		87.8	- 1	88.3	-		88.3	-		68.4		88.7
≥ 1800	53.6	87.5		88.6	88.8			89.1	89.1		89.4	89.5		89.5	89.5	89.8
≥ 1500	84.5	38.6		89.7			90.2				90.5			90.6		
≥ 1200	86.0	90.3	91.0	91.5				92.1	92.1		92.3			92.5	92.5	92.7
≥ .000	36.8	91.3	92.1	92.6	-	93.1		93.5			93.8	-		94.0	94.0	
≥ 900	56.9	91.3	92.2	92.9		93.4		93.8			94.1	94.2		94.2	94.2	94.5
≥ 800	87.	91.4	92.3	93.0		- 1	93.8				94.4	94.5		94.5	94.5	
≥ 700	87.6	92.1	93.0	93.7	94.1			94.8			95.0		95.2	95.2	95.2	
≥ 600	88.0	92.7	94.0	94.8		95.3		95.8			96.1	96.2		96.2		
≥ 500	88.0	92.7	94.2	95.6	96.0				96.8		97.0			97.2	97.2	
2 400	88.D	92.9		95.8	96.2			,			,		97.6			97.3
≥ 300	98.0	92.9	94.5	96.2		96.9			97.6							
≥ 200	38.0	92.9					97.6			98.0				1		99.2
	28.1	92.9					97.7		98.0		98.4			98.5	$\overline{}$	99.5
≥ 100 ≥ 0	68.J	92.9		96.2		97.3			98.0		98.4					100.0
	6007	7407	74.5	70.4	70.0	7103	7101	70.0	70.0	7001	70.4	70.3	70.5	7001	7701	- 1 U • C

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

744

CE MAL CLIMATOLOGY BRANCH AT LEATHTH SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

CT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

)935-1163 HOURS (LET.)

MO CEIUNG ≥ 20000 ≥ 18000 ≥ 16000	≥10 49.7 56.3	≥6 52•2	≥ 5	≥ 4												
≥ 20000 ≥ 18000	56.3	52.2		1	≥3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ 4	≥%	≥ ٧.	≥5/16	2 %	≥c
≥ 18000			52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.P	52.5	52.8	52.8	52.0	52.8
		58.7	59.3	59.3	59.4	59.4	59.4	59.4		59.4	59.4	59.4	59.4	59.4	57.4	59.4
	56.5	59.4	,	59.9			63 • 1	60.1		60.1	60.1	60.1	60.1	63.1	60.1	60.1
- 0.777	56.5	59.4			60.1					60.1	60.1	60.1	65.1	60.1	60.1	60.1
≥ 14000	57.3	60.3	1	60.9			61.0	61.3			61.0	61.0	61.0	61.0	61.0	
≥ :2000	58.9	62.D		62.6	62.8			62.8			62.8	62.8	62.8	62.8		
20000: ≤	2.5	65.9	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66 . 7	1
≥ 9000	53.2	66.7	67.3	67.5	67.6	67.6	67.6	67.6			67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	63.4	67.1	67.7	67.9	68.D	68.0	68.0	68.0	68.0	68.0	68.0	68.J	66.0	3.66	68.0	, , ,
≥ 7000	65.2	68.7	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.3
≥ 6000	66.5	73.0	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	68.0	71.5	72.3	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4500	69.1	72.6	73.4	73.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.3
± 4000	71.5	75.1	75.9	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	72.2	75.8	76.6	76.7	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	73.5	77.4	78.2	78.4	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78 - 8	78.3	78.8	78.5
≥ 2500	77.2	81.3	82.1	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	80.9	85.1	85.9	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	66.6	86.6	66,6	86.6
≥ 1800	52.1	86.4	87.2	87.5	87.6	87.6	87.9	87.9	87.9	87.9	67.9	87.9	87.9	87.9	37.9	87.9
≥ 1500	82.9	87.4	88.2	88.4	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1200	33.9	89.1	89.9	90.2	90.5	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ ,000	84.7	90.1	90.9	91.1	91.4	91.5	91.9	92.3			92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	25.1	90.9	91.7	92.2	92.5	92.6	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	d5.9	91.8	92.6	93.1	93.4	93.5	94.1	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	86.3	92.2	93.1	93.7	94.1	94.2	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	86.4	92.9	94.7	94.6	95.0	95.4	96.5	97.0	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6
≥ 500	86.4	93.0	94.2	94.9	95.3	95.7	96.9	97.4	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0
≥ 400	36.4	93.1	94.4	95.0	95.7	96.1	97.3	98.0	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7
≥ 300	36.4	93.5	94.5	95.2	95.8	96.2	97.6	98.3	98.3	98.9	98.9	99.1	99.1	99.1	99.1	99.2
≥ 200	66.4	93.3	94.5	95.2	95.8	96.4	97.7	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.5
2 100	86.4	93.3	94.5	95.2		96.4					99.1	99.2	99.2	99.2	99.2	99.5
≥ 0	86.4	93.3				96.4	97.7	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.5	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GE MAL CLIMATOLOGY BRANCH MINISTERAC ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14

HECTOR APT FARGO NU

73-80

CCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1233-1407

CELING							viS	BLOTY STA	ATUTE MILI	ES						
(FEE*)	ĭ. Ö	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ ?	≥:%	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	49.3 56.6	50.5 58.1	57.5 58.1	50 • 5 58 • 1	50 • 8 58 • 3	50.8 58.3			50.8 58.3	50.9 58.5	50.9 58.5	50.9 58.5	50.9 58.5	50.9 58.5	50.9	50.9
≥ 18000 ≥ 16000	56.6 56.6	58.3 58.3	58.3 58.3	58.3 58.3	58.6 58.6	58.6 58.6			58.6 58.6		58.7 58.7	58.7 58.7	58.7 58.7	58.7 58.7	59.7 58.7	58.7 58.7
≥ 14000 ≥ 12006	57.4 59.8	59.1	59.1 61.6	59.1 61.6	59.4 61.8	59.4 61.8			59.4 61.8	59.5 62.0	1	59.5 62.0	59.5 62.0		59.5 62.0	59.5 62.3
2000€ ≤	6.2.4 03.3	64.2 65.2	64 • 2 65 • 2	64.2 65.2	64.5 65.5	64.5 65.5			64.5		64.7 65.6	64.7 65.6	64.7 65.6	64.7 65.6	64.7 65.6	64.7 65.5
≥ 8000 ≥ 7000	67.1	66.7 69.2	66.7 69.2	66.7 69.4	66.9 69.6	67.1 69.8	67.1 69.8	67.1 69.8	67.1 69.8	67.2 69.9		67.2 69.9	67.2 69.9		67.2 69.9	67.2 69.9
≥ 6000 ≥ 5000	67.9 50.6	70.0 71.8	70.0 71.8	70 • 3 72 • 3	70.6 72.3	70.7 72.4	70.8 72.6		70 • 8 72 • 6	71.0 72.7	71.0 72.7	71.0 72.7	71.3 72.7	71.0 72.7	71.3 72.7	71.5 72.7
≥ 4500 ≥ 4000	70 • 2 73 • 3	72 <b>.3</b> 75 <b>.</b> 4	72.3 75.4	72.6 75.7	72.8 75.9	73.0 76.1	73.1 76.2	73.1 76.2	73.1 76.2	73.3 76.3	73.3 76.3	73.3 76.3	73.3 76.3	73.3 76.3	73.3 76.3	73.3 76.3
≥ 3500 ≥ 3000	74.2 77.7	76.3 80.0	76.3 80.7	76.6 80.2	76.9 80.5	77.0 80.6		80.8	77.2 83.8	77.3 80.9	77.3 80.9	77.3 80.9	77.3 80.9	80.9	77.3 50.9	77.3
≥ 2500 ≥ 2000	50.9 54.3	83.2 87.1	83.2 87.1	83.5 87.4	87.6	83.9 87.8	87.9	87.9			84.1 88.0	84.1 88.D	64.1 88.D	84.1 88.J	54 • 1 88 • 7	84.1
≥ 1800 ≥ 1500	5 <b>5.9</b>	87.8 89.1	87.9		90.5	90.6	90.7	90.7		88.8 90.9	88.8 90.9	88.8	38.8	88.8 90.9	90.9	90.9
≥ 1200 ≥ 1000	87.2	96.2 90.9	90.6	92.1	91.7	91.8	93.3	93.3			92.1	92.1	92.1	93.4	92.1	93.4
≥ 900 ≥ 800	88.3	92.9	92.5	93.3	94.2 95.0		95.4	95.4		95.6	94.6	95.6	94.6	94.6	94.6	94.5
≥ 700 ≥ 600	88.4 88.7	93.3	93.7		96.6	95.6 96.8 97.3	97.4	97.4	97.4			96.4	96.4		96.4	96.4 97.6 98.5
≥ 500 ≥ 400	88.7 68.7	94.2	94.8	96.6	97.6	97.8	98.8	99.1	98.4 99.1	99.2	99.2	98.5 99.2	98.5 99.2	99.2	98.5 99.2	99.2
≥ 200	88.7	94.5	95.0 95.0		98.0	98.4	99.3	99.6	99.6	99.9	99.9			99.9	99.9	
> 100 > 0	88.7	94.5			98.0	-				99.9	-				99.9	

TOTAL NUMBER OF OBSERVATIONS

LECTAL CLIMATOLOGY BRANCH CAPLTAC AT PEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

DCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEIL NG							٧١S	:B : TY ST	ATUTE MIL	<b>E</b> S						
(FEE*)	215	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥÷%	≥1%	י≤	≥ %	≥%	≥ ٧.	≥5/16	≥ ¼	≥c
NO CEILING	49.3	49.6	49.6	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	59.1	58.5	58.5	58.5	53.5	58.6	58.7			58.7	58.7	58.7	58.7	58.7	58.7	56.7
≥ 18000	58.3	58.7	53.7	58.7	58.7	56.9	59.0	59.0	59.0	59.1	59.0	59.0	59.0	59.0	59.0	59.0
≥ .9000	59.3	58.7	58.7	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	59.3	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ :2000	62.6	63.0	63.0	63.0	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	53.3	63.3
≥ 10000	64.3	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	55.7	65.7
≥ 900C	65.9	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 8000	6 P . 5	69.5	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	69.9	73.8	70.8	70.8	71.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	71.6	72.6	72.6	72.6	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	74.3	75.4	75.4		75.8	75.9	76.2	76.2	76.2	76.2		76.2	76.2	76.2	76.2	76.2
≥ 4500	75.7	76.1	76.1	76.3	76.5	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 400C	78.2	79.3	79.3	79.6	79.7	79.8	80.1	90.1	80.1	80.1	80.1	80.1	60.1	80.1	80.1	80.1
≥ 3500	3.1	81.2	81.2	81.5	81.6	81.7	82.0	82.J	82.0	82.0	82.C	82.3	82.0	82.0	82.0	82.0
≥ 3000	د3.1	94.3	84.3	84.5	84.7	84.8	85.2	65.2	85.2	85.2	85.2	85.2	85.2	85.2	55.2	85.2
≥ 2500	84.7	86.3	86.8	87.1	87.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	97.8
≥ 2000	86.2	88.4	89.0	89.4	89.5	89.7	97.1	90.1	93.1	90.1	90.1	93.1	95.1	90.1	90.1	90.1
≥ 1800	36.8	89.1	89.7	90.1	90.2	90.3		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	87.8	90.6	91.1	91.5	91.7	91.8	92.2	92.2	97.2		92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	87.8	90.9	91.6	92.3	92.5	92.6	93.0	93.0	93.0	93.D	93.C	93.0	93.0	93.0	93.3	93.0
≥ -000	89.7	92.2	93.1	93.8	94.1	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	89.2	92.5	93.4	94.1	94.5	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	89.2	92.6	93.5	94.2	94.6	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	89.7	93.3	94.2	95.2	95.6	95.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.3
≥ 600	89.8	93.5	94.6	95.8	96.2	96.5			97.4		97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	89.8	93.5	94.9	96.2	96.6			98.1	98.1	98.	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	89.8	93.8	95.2	96.5					99.1	99.3		99.3		99.3		99.3
≥ 300	89.8	94.0	95.3	96.8	97.2	98.1	99.1	99.5	9.5	99.7	99.7	99.7	99.7		99.7	99.7
≥ 200	89.8	94.0	95.3	96.8	97.2		99.1	99.5	, 5	99.7	99.7	99.7				99.7
> 100	89.8	94.0	95.3	96.8	97.2			99.5	99.5		99.9	99.9		10C.U		
≥ 0	89.8	94.0	95.3				99.1		3.) • 5		1	99.9		00.0		

744 TOTAL NUMBER OF OBSERVATIONS \_\_\_

SECTAL CLIMATOLOGY BRANCH UTAFETAC AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 - - 14

HECTOR APT FARGO NO

73-80

COT

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000 Hours (La.t.)

CEA NO							V1\$	B LITY ST	ATUTE MIL	ES					•	
(FEE's	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ - %	≥1%	≥1	2 %	≥ %	≥ %	≥5/16	≥ ′4	≥c
NO CERING ≥ 20000	5 <b>2∙</b> 5 60•0					1	52.8 60.3			52.8 60.3		52.8 63.3	52.8 60.3		52.3 50.3	
≥ 18000 ≥ 18000	60.8	60.8 61.0	7.7.7	61.0 61.1	61.0 61.1	61.D 61.1	61.0 61.1	61.0 61.1		61.0 61.1	- 1	61.0				61.3 61.1
≥ 14000 ≥ 12000	61.9	62.2 66.2	1	62 • 3 66 • 4	62.3 66.4	62.3 66.4	62.3				_	62.3 66.4				62.3 66.4
≥ 10000 ≥ 10000	62.9 70.5		1	69.3 70.9		69.3 70.9	69.3 70.9			69.3 70.9		69.3 70.9		69.3 70.9		69.3 70.9
≥ 8000 ≥ 7000	71.3 74.2	72.0 74.8	1	72•3 75•1	72 • 3 75 • 1	72.3 75.1	72.3 75.1			72.3 75.1	75.1		75.1	75.1	72.3 75.1	
≥ 6000 ≥ 5000	75.6 78.1	76.7 79.1		77.0 79.7		77.0 79.7	77.0 79.7	79.7	79.7		79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500 ≥ 4000	79.3 £2.5	83.5 83.8	1		84.5			84.7	84.7	84.7	84.7	81.2	84.7	64.7		94.7
≥ 3500 ≥ 3000	83.7 65.5	85.1 86.8	86.9	87.6	87.6	87.6	85.9 87.8	87.8	87.8	87.8	87.8		87.9	87.9		
≥ 2500 ≥ 2000	86.5	90.7	91.1	91.8	91.8	91.8	91.9	91.9	91.9	89.6 91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800 ≥ 1500		92.3	92.7	91.9 93.7	93.7		93.8	92.1		93.8	93.8	92.1 93.8			93.8	
≥ 1200 ≥ .000	90.2 91.1	93.5	94.1		94.3	95.3	95.4	95.4	95.4	95.4	95.4		95.4	95.4	95.4	94.5
≥ 900 ≥ 800	91.5 91.9	94.8	95.4	96.9	96.9	96.9	97.0	97.0		97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700 ≥ 600	91.8		96.0	98.0		98.1	98.4	98.4	98.4	97.3	98.4	98.4		98.4	98.4	98.4
≥ 500 ≥ 400	91.8	95.0	96.1	98.3	98.4	98.7	98.9	99.5	99.5		99.5	99.5	98.9	99.5	99.5	99.5
≥ 300 ≥ 200	91.8	95.4	96.5		98.9	99.2	99.5	100.0	100.0		100.0	100.0	99.7 100.0	100.0	100.0	
≥ 100 ≥ 0	91.8 91.8		96.5 96.5		98.9 98.9	99.2							100.0			

TOTAL NUMBER OF OBSERVATIONS

743

SLIPAL CLIMATOLOGY PRANCH ATT REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 11+

HECTOR APT FARGO ND

73-80

OCT

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300 HOURS (L.S.T.)

CEUNG				-			viS	B.L.** ST.	ATUTE MIL	ES						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥+%	≥1%	≥1	≥ ¼	≥%	≥ ∀:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	59.1	54.6 59.7	54.6 59.7	54.7 59.8	54.7 59.8		54.7 59.8	54.8 59.9	54.8 59.9	54.8 59.9	54.8 59.9	54.8 59.9	54.8 59.9	54.8 59.9	55.7 60.1	55.5 60.1
≥ 18000 ≥ 16000	60 • 1 63 • 2	60.6 60.8	60.6 60.6	60.8 60.9	60.8 60.9			60.9 61.0	60.9 61.0	6D.9	60.9 61.0		60.9 61.0	60.9 61.3	61.0 61.2	61.0 61.2
≥ 14000 ≥ 12000	62.2 64.7	62•8 65•5	65.5		62.9 65.6	62.9 65.6			63.0 65.7	63.0 65.7	63.0 65.7	63.0 65.7	63.0 65.7	63.0 65.7	63.2 65.9	
≥ 10000	68 • 3 70 • 3	69.1 71.1	71.1	69.2 71.2	71.2	71.2			69.4		69.4	69.4 71.4	71.4	71.4	69.5 71.5	59.5 71.5
≥ 8000 ≥ 7000	71.8 76.1	77.2	77.2	73.0	77.3	77.3	77.3	77.4	73.1 77.4	73.1	73.1 77.4	73.1	73.1	73.1	73.3	73.3 77.6
≥ 6000 ≥ 5000	78.4 51.2	79.6 82.5	79.6 82.5	79.7 82.7	79.7 82.7	82.8	79.8 82.9		80.0 83.1	80.0	83.1	83.1	80.0 83.1	83.1	63.2	30 · 1 83 · 2
≥ 4500 ≥ 4000 ≥ 3500	64.9	83.5 85.9	83.5 85.9 86.6	93.6 86.2	83.6 86.2 86.8	86.3	83.9 86.4 87.1	84.0 86.6 87.2	84.0 86.6 87.2	84.0 86.6 87.2	84.0 86.6 87.2	84.0 86.6 87.2	86.6 87.2	84.3 86.6 87.2	54.1 56.7	84 • 1 86 • 7
≥ 3000	56.6 57.9	88.2	88.6	88.6	88.8	89.0		89.2	89.2	89.2 90.9	89.2 90.9	89.2	89.2 90.9	89.2	89.4	89.4
≥ 1800	89.8 90.3	91.5	1	92.3 93.0	-	92.5		92.7	92.7	92.7		1	92.7		92.9	92.9
≥ 1500	91.0	92.9	93.7	94 • 1 95 • D	94.1 95.0	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ ,000	93.0	94.9	95.7 96.1	96.1 96.5	96.1 96.5			96.5	96.5	96.9	96.5 96.9	96.5	96.5	96.5	96.6 97.0	96.6 97.0
≥ 800 ≥ 700	93.3 93.5	95.6	96.4	96.8	96.8		97.8	97.2	97.2 98.0	97.2 98.0	97.2 98.D	97.2 98.0	97.2 98.0	97.2 98.0	97.3 98.1	97.3 98.1
≥ 500	93.5	97.3	98.3	98.4	98.4	98.8	98.9	98.8	98.8 99.1	99.1	98.8 99.1	98.8	98.8	98.8	98.9 99.2	98.9
≥ 400 ≥ 300 ≥ 200	93.7	97.4	1	98.7	98.7	98.9	99.1	99.2	99.2	99.1	99.3	99.3	99.3	99.1	99.5	99.5
≥ 100 ≥ 100 ≥ 0	94.1 94.1	97.7 97.7 97.7	98.7 98.7 98.7	99.1 99.1	99.1 99.1 99.1	99.2	99.3 99.3	99.5 99.5	99.5	99.5 99.5 99.5	99.6	99.6 99.6	99.6		99.7 130.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_

744

CLUMATOLOGY BRANCH STEETAC AT- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 14 HECTOR APT FARGO NO

73-80

CCT

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH ALL HOURS [L.S.T.]

CER NO			_				vis	BLTY ST	ATUTE MIL	€S.						
(FEE*)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ ?	≥ / ⅓	≥1%	≥1	≥ ¾	≥ %	≥ 9:	≥ 5/16	2 %	≥c
NO CEIUNG	2.6	53.6	53.8	53.9	54.0				54.1		54.1	54.1	54.1	54.1	54.2	54.2
≥ 20000	5° 1	59.1	57.4				59.7					59.8		59.8		59.9
≥ 18000	58.4	59.6		60.0	60 - 1			60.2	- 1		60.2	60.2	60.2	60.3	00.3	60.3
≥ .9000	58.5	59.6		60.0	60.1			60.2			60.3					
≥ 14000	59.6	63.7	61.0	61.2	61.3			61.4		61.4	61.4	61.4	61.4	61.4	61.5	61.5
	61.8	63.0	63.3	63.5	63.5			63.6			63.7	63.7		63.7	63.7	
≥ 10000	e5 • 3	66.6	66.9	67.0	67.1		-	67.2			67.2	67.3	67.3	67.3	67.3	67.4
	66.6	67.9		68.4	68.5					-	68.6			68.7	68.7	
≥ 8000	67.7	69.2		69.7				69.9			70.0	70.0	-	70.0	70.0	
≥ 7000	70.3	71.8	72.1	72.3	72.4		72.6			72.6				72.7		
≥ 6000	71.3	73.5	73.9	74.1	74.2		74.4	74.4	-		74.4	74.4	74.4	74.5	74.5	74.5
≥ 5000	74.2	75.9	76.2	76.6	76.7					76.9				77.0		77.0
≥ 4500	75.3	77.0	77.3	77.7	77.8		78.0		-		78.1	78.1	76.1	78.1	78.1	78.2
≥ 400C	78.0	79.8	80.1	80.5	80.6			80.8				80.9	80.9	8C • 9	50.9	91.
≥ 3500	79.7	83.8		81.5	81.6		81.8	81.9			81.9	1		81.9	82.0	52.0
≥ 3000	81.1	83.1	83.5	$\longrightarrow$	83.9						84.2		84.3	84.3	34.7	84.4
≥ 2500	93.5	85.7	86.2	86.6	86.7		86.9	86.9	- 1	1 1	87.0			87.0	67.0	87.1
≥ 2000	36.2	88.7	89.2	89.6	89.7									95.1	93.1	90.2
≥ '800	86.9	89.4	90.0	90.5	90.6	90.6					90.9			90.9	90.9	91.0
≥ 1500	87.8	90.5		91.7		91.9		92.1			92.2			92.2		92.3
≥ 1200	68.7	91.7	92.5	93.1	93.2					93.6	93.6	93.6	-	93.5	93.7	93.7
≥ ,000	87.5	92.7	93.4	94.1	94.4		94.7	94.8			94.9			94.9	94.9	
≥ <b>90</b> 0	89.9	93.2	94.0	94.8	95.0		-	95.5			95.6	95.6		95.6	95.6	95.7
≥ 800	90.2	93.6					95.8				96.D			I		
≥ 700	90.5	94.1	94.9	95.8	96 • 1			96.7			96.8		•	96.8	96.9	
≥ 600	90.7	94.7	95.6	96.6		97.1		97.6								-
≥ 500	93.4	94.8	95.8	97.0		97.5					98.3		98.4	98.4	98.4	98.5
≥ 400	90.8	94.9	96.0	97.2	97.6		98.4				98.8			98.9	98.9	-
≥ 300	90.8	95.0	96.1	97.4				98.9	98.9		99.2			99.2	99.2	99.4
≥ 200	90.9	_95 <u>•</u> 1	96.2			98.3		99.2			99.4		99.4	99.4		
≥ 100	90.9	95.1	96.2	97.6	97.9	98.3	98.9	99.2	99.2	99.4	99.4	99.5	_		99.6	9 . 3
≥ 0	70.9	95.1	96.2	97.6	97.9	98.3	98.9	99.2	99.2	99.4	99.4	99.5	99.5	99.6	99.7	too.

JULIAL CLIMATOLOGY PRANCH AT - LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 HECTOP APT FARGE NO

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U005-0203

CELNO							VIS	B . ** ST	ATUTE MIL	ES						
(FEET)	<b>3</b> .	ہ≤	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ √.	≥1%	۸	2 %	≥ %	≥ 4.	≥ 5/16	≥ 4	≥0
NO CEILING. ≥ 20000	46.7	47.1 50.8				47.9 51.7					48.3 52.1			48.5 52.2	48.5 52.2	46.6
≥ 18000 ≥ 16000	50.6	51.0		51.4	51.8	51.8	51.9	52.2	52.2	52.2		52.2	52.4		52.4	52.5
≥ 14000 ≥ 12000	51.3	51.7	52.1	52.1	52.5	52.5	52.6	52.9	52.9	52.9		52.9	53.1	53.1	53.1	53.2
≥ 30000	57.1	57.5	57.9	57.9	58.5	58.5	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.7	59.2
≥ 8000 ≥ 7000	58.3	55.8	59.2	59.2	59.7	59.7	59.9	60.1	60.1	60.1		63.1	60.3		50∙3	60.4
≥ 6000	51.4	61.9	62.4	62.4	62.9	62.9	63.1	63.3	63.3	63.3		63.3	63.5		63.5	63.5
≥ 4500 ≥ 4500	62.6	63.3		64.0		64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.3	65.3	64.7	65.4
≥ 4000 ≥ 3500	65.6	66.4				67.6		67.8			67.8		$\overline{}$	68.3	67.9	
≥ 3000 ≥ 2500			73.9								71.C				71.1 76.1	71.3
≥ 2000	76.5 77.8		78.2		79.6						80.6 82.5			80.7 82.6	80.7	80.5 82.6
≥ 1500	79.9		81.9		84.D 86.7			85.3	85.3	85.3	85.3 88.1	85.3	85.4	85.4	5.4 88.2	
≥ .000			85.7	86.9		86.8	89.3	89.7	89.9	89.9	90.0 90.6	90.0	90.1	90.1	90.7	98.3
≥ 800			86.5	87.9	89.3	89.7	90.3	90.7	90.8	90.8	91.0 91.8	91.0	91.1	91.1	91.1	91.3
≥ 700 ≥ 600	84.6	87.6	88.2	89.9	91.3	91.7	92.6	93.2	93,5	93.5	93.6	93.6	93.8	93.8		93.9
≥ 500 ≥ 400	84.7		89.3	91.5	93.2	93.8	95.0	95.8	96.3	96.3	95.3	96.4	96.5	96.5		95.6
≥ 300 ≥ 200	84.7		89.9	92.5	94.6	95.4	96.7	97.5	97.9	98.3	98.1 98.6	98.6	99.3	99.0	99.0	99.3
≥ 100 ≥ 0					•						98.8 98.8					

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

SELEAL CLIMATOLOGY RPANCH C PAFETAC A'S TEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1--14 HECTOP APT FARGO NO

STATION NAME

73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3.7-6503

CEIL NO IFEETI	VISIBLITY STATUTE MILES															
	<b>5</b> .0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ , γ	21%	≥'	2 4	≥ %	: <u>2</u>	≥5~8	2.	≱í
NO CEIUNG ≥ 20000	46.4		(	47.6		43.1	48.1			48.5	48.5	48.5			48.5	45.7
	49.2							5C.3				51.3				
≥ 18000 ≥ 16000	49.3	-	50.4	50.6		51.0	51.0	1 1			51.4	51.4		51.4	51.4	/
	49.3		50.4	50.6		51.0		51.0				51.4	51.4		31.4	
≥ '4000	49.9	୍5 ଜ ୫	51.1	51.3	51.7	51.7	51.7		51.7		52.1	52.1	57.1		52.1	*Z+5
≥ `2000	1.5			53.1	53.5	53.5		53.5		53.9	53.9	53.9			>3.9	
> ;0000	55.7	56.7	56.9	57.2	57.6	57.6	57.6		57.6	58.1	58.1	58.1	55.1	56.1	ა°•1	58.5
≥ 9000	56.5			58.1	58.5	58.5		58.5			59.9	55.9		58.6	34.9	59.3
≥ 8000	57.2	52.2	53.5	58.8	59.2	59.2	59.2	59.2	59.2	59.6	59.€	59.t	5¢.6	59.5	J9.6	50.7
≥ 7906	58.2	59.6	59.9	60.1	60.6	60.6	60.6	60.6	60.6	61.0	61.	61.3	61.0	51.	01.5	61.4
≥ 6000	59.6	61.3	61.4	61.7	62.1	62.1	62.1	62.1	62.1	62.5	62.5	62.5	62.5	62.5	52.5	12.9
≥ 5000	- 50 • 8	62.2	62.6	62.9	63.3	63.3	63.3	63.3	63.3	63.8	63.8	63.8	53.8	63.8	£₹.a	64.2
≥ 4500	61.4	62.9	63.5	63.9	64.3	64.3	64.3	64.3	64.3	64.7	64.7	64.7	04.7	64.7	54.7	65.1
≥ 4000	د <b>3 .</b> 5	65.0	65.6	66.0	66.4	66.4	66.4	66.4	66 . 4	66.8	66.5	66.8	66.3	66 • ĉ	55.3	57.2
≥ 3500	54.6	66.3	66.8	67.4	67.8	67.8	67.8	67.8	67.8	68.2	69.2	58.2			68.2	58.5
≥ 3000	55.7	67.6	68.5	69.J	69.4	69.4	69.4	69.4	69.4	69.9	69.9	69.9			69.9	70.3
≥ 2500	69.4	71.7	72.9	73.8	74.4	74.4	74.6	74.6	74.6	75.0	75.0	75.3	75.3	75.0	75.0	75.4
≥ 2000 2	71.8	75.8	77.1	78.1	78.9	78.9	79.2	79.2	79.2	79.6	79.6	79.6		79.6	79.6	30.0
≥ '800	73.9	77.9	79.3	80.3	81.5	81.5	81.8	81.8	81.8	82.2	82.2	82.2	52.2	82.2	22.2	52.6
≥ 1500	76.3	81.0	82.4	83.5	85.1	85.1	85.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	36.1	86.5
≥ 1200	77.5	82.6	84.2	85.4	87.4			88.1		83.8	88.8	88.8		98.6	58.8	99.2
≥ .000	77.8	83.2	84.7	86.0		87.9		88.6				89.3		89.3	89.3	
≥ 900	78.3	84.0		86.8				89.6				90.3		90.4	90.4	ç . 3
≥ 800	79.1	85.3	86.8	88.2		90.4		91.1				91.8			_	
≥ 700	79.4	85.4		89.3		91.7		92.5		93.2	93.2	93.2		93.3	93.3	93.3
≥ 600	79.9	87.2		90.4	1		1	93.6							94.6	
≥ 500	80.3	e 7 . 8		91.1	93.2	93.5				95.0				95.1	95.3	95.7
2 400	àD.3	87.8		91.3				94.7			,			1		
≥ 300	ε <b>0.3</b>	97.8		91.7	94.0	94.7		96.0		96.8		96.9		97.1	97.2	97.5
≥ 200	ಕ <b>೦.4</b>	88.2		92.1				96.7		97.6		1	98.3		1	. , , ,
> 100	80.4		90.0	92.1				76.7							99.5	
≥ '00 ≥	87.4	88.2		92.1				96.7								
لــــا		30.4	7001	76 0 4	/ - 0		7,50,1	7001	70.7	7100	77.07	7107	,,,,,	/0.7	770.	<u> </u>

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY PRANCH CLIMAT CLIMAR SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 MECTOR APT FARGO NO.

73-80

VOV

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

L600+0873

CELNO.							viS	BLTV ST	ATUTE MIL	ES						
(FEE')	≥ :0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥ : %	≥1%	≥ 1	≥ %	≥ %	≥ v.	≥ 5/16	2%	≥ડ
NO CEIUNG	~3.3	44.7	44.0	45.0	45.3	45.6	45.7	45.7	45.7	45.8	45.8	45.8	46.1	46.1	46.3	46.4
≥ 20000	47.2	48.8	48.9	49.0	49.3	49.6	49.7	49.7	49.7	49.9	49.9	49.9	50.1	50.1	50.3	50.4
≥ 18000	48.1	49.6	49.7	49.9	50.1	50.4	50 • 6	50.6	50.€	50.7	50.7	50.7	51.0	51.3	51.1	51.3
≥ 5000	48.1	49.6	49.7	49.9	50.1	50.4	50.6	50.6	50 • 6	50.7	50.7	50.7	51.3	51.0	51.1	51.3
≥ '4000	48.9	50.4	53.6	50 • 7	51.0	51.3	51.4	51.4	51.4	51.5	51.5	51.5		51.8		52.1
≥ 2000	50.7	52.4	52.5	52.6	52.9	53.2	53.3	53.3	53.3	53.6	53.4			53.9	54.7	54.2
> 0000	54.4	56.1	56.4	56.5	56.9	57.4	57.5	57.5	57.5	57.8	57.8	57.8	5º .1	53.1	5ª•2	58.3
≥ 9000	56.0	57.6	57.9	58 • 1	58.5	58.9	59.0	59.0	59.0	59.3	59.3	59.3	59.6	59.6	59.7	59.1
≥ 8000	56.9	53.5	59.0	59.2	50.6	60.0	60.1	60.1	60.1	60.4	60.4	60.4	60.7	€0.7	60.8	61.5
≥ 7000	58.8	60.8	61.1	61.3	61.7	62.1	62.2	62.2	62.2	62.5	62.5	62.5	62.8	€2.5	62.9	f 3 • 1
≥ 6000	59.3	1								63.1						63.6
≥ 5000	59.9	61.9	62.2	62.4	62.8	63.2	63.5	63.5	63.5	63.8	63.8	63.8	64.0	64.0	64.2	64.3
≥ 4500	€0.7	62.8	63.1	63.2	63.6	64.0	64 - 3	64.3	64.3	64.6	64.6	64.6	64.9	64.9	65.3	45.1
≥ 400C	62.3	65.1	65,4	65.6	66.0	66.4	66.7	66.7	66.7	67.1	67.1	67.1	67.4	67.4	67.5	67.6
≥ 3500	63.9	66.4			67.2					68.3					69.8	
≥ 3000	65.0	67.6	67.9	68.2	68.6	69.0	69.3	69.3	69.3	69.7	69.7	69.7	70.0	70.0	70.1	70.3
≥ 2500				72.2												74.4
<b>≥ 200</b> 0	71.3	75.4	76.0	76.4	76.9	77.4	77.9	77.9	77.9	78.3	78.3	78.3	78.6	78.0	78.9	78.7
≥ 1800	72.4	76.5	77.1	77.5	78.1	78.5	79.D	79.0	79.0	79.4	79.4	79.4	79.7	79.7	79.9	80.0
≥ 1500	75.1	79.6	80.1	90.6	81.1	81.5	82.2	82.2	82.4	82.8	82.8	82.8	63.1	83.1	03.2	83.3
≥ 1200	76.7	81.7	82.2	82.8	83.5	83.9	84.7	84.9	85.C	85.4	85.4	85.4	65.7	85.7	85.9	36.C
≥ ,000	78.2	83.3	84.	84.6	85.3	85.8	86.7	8.69	86.9	87.4	87.4	87.4	87.6	87.6	57.8	87.9
≥ 90¢	78.9	84.2		85.4						88.3					88.9	
≥ 800	79.4	85.0	85.7	86.4	87.1	87.8	88.9	89.2	89.3	89.7	89.7	89.7	90.0	90.0	90.1	90.3
≥ 700	79.6	35.3	86.0	86.8	87.8	88.5	89.6	89.9	90.0	90.4	90.4	90.4	90.7	90.7	90.8	91.5
≥ 600	្សៗ.8	86.8	87.5	88.5	89.6	93.3	91.4	91.7	91.8	92.4	92.4	92.4	92.6	92.6	92.9	92.9
≥ 500	e1.3	87.4	88.1	89.0	90.1	91.0	92.2	92.5	92.6	93.3	93.5	93.5	93.8	93.8	93.9	94.5
≥ 400	81.3	88.2	88.9	90.3	91.7	92.8	94.3	94.7	94.9	95.6	95.7	95.7	96.0	96.6	96.1	96.3
≥ 300	01.3	88.2		90.6										96.9		
≥ 200	≈1.4	88.3	89.3	90.8	92.6	93.9	95.7	96.4	96.5	97.4	97.5	97.5	98.2	98.2	98.3	96.6
> 100	91.4			90.8										99.0		99.7
≥ 0	81.4			90.8										99.2	99.4	kou. o

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_723

LIGAT ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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JE RAL CLIMATOLOGY ERANCH LINAFETAC 41 - EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

VEARS

1 .- HECTOR APT FARGO NO

73-80

NOV MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

.9<u>30-1165</u> HOURS (L.S.T.)

CER NO							viS	B. TV 51	ATUTE MIL	€5						
(FEET)	≥ '\$	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ ;	≥ . ½	≥1%	≥,	≥ 4	≥ %	≥ v;	≥5/16	2 %	<b>≥</b> 0
NO TEUNA	-2.4	43.6	43.9	47.9	44.0	44.2	44.3	44.3	44.3	44.4	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	46.3	49.7	57.0	50.0	50.1	50.3	50.6	50.6	50.6	50.7	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	49.	50.4	50.7	50.7	50.8	51.0	51.3	51.3	51.3	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ 570%	49	50.4	59.7	50.7	50.8	51.0	51.3	51.3	51 • 3	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ '4000	50.1	51.5	51.8	51.8	51.9	52.1	52.4	52.4	52.4	52.5	52 · A	52.8	52.8	52.5	52.8	52.9
≥ 12000	51.3	52.6	52.9	52.9	53.1	53.2	53.5	53.5	53.5	53.6	53.9	53.9	53.9	53.9	53.9	53.7
≥ '2000	74.0	55.4	55.9	56.0	56.1	56.3	56.5	56.5	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9
≥ 500C	54.7	56.1	56.5	56.7	56.8	56.9	57.2	57.2	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	55.1	57.5	57.9	58.2	58.3	50.5	58.8	58.8	58.8	59.0	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7900	56.3	58.5	58.9	59.2	59.3	59.4	59.7	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	57.2	58.8	59.2	59.4	59.6	59.7	60.0	60.0	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	56.3	59.9	67.3	60.6	60.7	60.8	61.1	61.1	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7
≥ 450C	59.4	61.3	61.7	61.9	62.1	62.2	62.5	62.5	62.5	62.8	63.1	63.1	63.1	63.1	63.1	63.1
2 400C	61.8	63.9	64.3	64.6	64.7	64.9	65.1	65.1	65 - 1	65.4	65.7	65.7	65.7	65.7	65.7	55.7
≥ 350C	02.2	64.3	64.7	65.0	65.1	65.3	65.6	65.6	65.6	65.8	66.1	66.1	66.1	66.1	56.1	56 - 1
≥ 3000	54.2	66.3	66.7	67.1	67.2	67.4	67.6	67.6	67.6	67.9	68.2	68.2	68 • 2	68.2	68.2	68.2
≥ 2500	16.4	68.6	69.0	69.4	69.6	69.9	70.1	70.3	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	70.7	73.2	73.9	74.6	74.9	75.3	75.6	75.8	75.8	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1800	72.4	74.9	25.7	76.4	76.7	77.1	77.4	77.6	77.6	78.1	78.3	78.3	78.3	78.3	79.3	78.3
≥ 1500	74.4	77.1	77.9	78.8	79.2	79.7	80.0	80.4	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	79.1	81.9	82.9	93.8	84.2	85.0	85.3	85.8	85.8	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ ,000	79.3	83.8	85.0	86.1	86.7	87.5	87.9	88.5	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2
≥ 900	79.7	84.3	85.6	86.7	87.4	88.2	88.8	89.3	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	79.9	84.6	85.8	87.1	87.8	88.6	89.2	89.7	89.7	90.4	90.7	90.7	90.7	93.7	90.7	90.7
≥ 700	80.1	85.3	86.8	88.3	89.0	89.9	90.6	91.1	91.3	92.1	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	00.6	86.4	88.1	89.9	90.6	91.5	92.2	92.8	93.1	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	80.8	86.8	88.5	90.3	91.0	92.5	93.5	94.0	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	80.a	87.2	88.9	90.8	91.5	93.3	94.7	95.7	96.0	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	81.0	87.4	89.0	91.0	91.8	93.8	95.4	96.5	96.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	81.1	97.4	89.0	91.0	91.8	93.8	95.4	96.8	97.1	98.3	98.9	98.9	98.9	98.9	98.9	98.9
> 100	31.0	87.4	89.0	91.0	91.8	93.8	95.4	96.9	97.2	98.5	99.2	99.2	99.2	99.3	99.4	99.7
≥ 0	81.1	87.4	89.7	91.0	91.8	93.8	95.4	96.9	97.2	98.5	99.2	99.2	99.2	99.3	99.4	100.c

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_

720

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLUMATOLOGY ERANCH L FETAC A FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 House (U.S.T.)

CEUNG							viS	BLTY ST	ATUTE MIL	ES	<del></del>					<del></del>
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ፡ ⅓	21%	≥1	≥ ¾	≥%	≥ 4.	≥ 5/16	≥ %	≥c
NO CEILING ≥ 20000	43.3	44.7 57.1		44.7 50.1	45.0 50.6		45.1 50.8	45.1 50.8			45.1 50.8	45.1 50.5	45.1 50.8	45.1 50.6	45.1	45.1 50.5
≥ 18000 ≥ 16000	48.5	53.3		50.3	50.7	50.7		51.0	51.0	51.0	51.0	51.0	51.0	51.3	51.C	
≥ 14000 ≥ 12000	50.3	52.1	52.1	52.1	52.5	52.5		52.8	52.8	52.8	52.8 55.1	52.8	52.8		52.8	52.5
2000° ≤	55.7	57.5	57.5	57.5	57.9	57.9		58.2	58.2	58.2	58.2	58.2	50.2	58.2	58.2	
≥ 8000 ≥ 7000	56.9	55.9	58.9	58.9	59.3	59.3		59.6	59.6	59.6	59.6	59.6	59.6	59.5	59.6	59.5
≥ 6000 ≥ 5000	57.5 59.2	59.7	59.9	59.9	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6		60.5	60.6	60.5
≥ 4500 ± 4000	59.2	61.4	61.5	61.5	61.9	61.9		62.2	62.2	62.2	62.2	62.2		62.2	62.2	62.2
≥ 3500 ≥ 3000	61.0	63.3	63.5	63.5	63.9	63.9		64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2500 ≥ 2000	68.2	71.3	71.5	71.7	72.1	72.1		72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1800 ≥ 1500	73.8	77.8		78.2	78.8	78.8		79.0	79.0	79.0	79.0	79.0	79.3		79.3	79.0
≥ 1200 ≥ .000	75.1	85.3	85.6	82.2	86.7	86.8		87.6	87.6	87.6	87.6	87.6	87.6	£7.6	87.6	87.6
≥ 90¢	83.9	87.8	89.7		91.3	91.5	90.6 92.1	92.5	92.5	92.6	92.6	92.6	92.6	91.1	92.6	91.1
≥ 800 ≥ 700	84.6	90.4	91.3	91.8		93.5	92.8	94.7	94.7	95.0	93.5	95.0			93.5 95.0	93.5 95.0
≥ 500 ≥ 500	54.7	90.6		92.4	93.8	94.9	95.1 96.0	96.4	96.4	96.7	96.7	96.7	96.7	95.8 96.7	95.8	95.5
≥ 400 ≥ 300	64.9	90.7		92.9	94.3	95.7	96.5 97.1	97.6	97.6	97.9	98.2	98.2	98.2		97.9	
2 200 > 100	84.9		92.1				97.1 97.1							98.6	98.9	98.9
≥ 0	34.9	93.8	92.1				97.1		-	98.3		98.6				100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_725

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SELEAL CLIMATOLOGY BRANCH SEFETAC AT - DEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 15 HECTOR APT FARGO NO STATION NAME

73-80

NOV

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 1533-1707 HOURS (LE.T.)

CEILNG							VIS	.B . ** ST	ATUTE MILI	ES						
(PEE")	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥.%	≥1%	≥1	2 %	≥%	≥ v.	≥ 5/16	≥ %	≥c
NO CERUNG	42.3	43.3	43.6	43.8	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	_5.0 <b>.</b> 3	<u> </u>		51.8	52.2		52.4		52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	50.6	51.7	51.9	52.1	52.5	52.5			52.6	52.6		52.6	52.6	52.6	52.6	52.6
≥ 18000	50.6	51.7	51.9		52.5			52.6		52.6		52.6				52.6
≥ 14000 ≥ 12000	51.9	53.1	53.3	53.5	53.9	53.9	54.0	54.0	54 • €	54.3	54 • C	54.0	54.0	54.0	54.0	54.0
	<u> </u>	55.4	<del></del>	55.8	<u>56.3</u>								56.4		56.4	
2 10000 ≤	56.3	57.9	58.2	58.3	58 · 8		59.0	59.0	59 • ເ	59.0		59.0	59.0	59.0	59.3	
	57.2	58.3			59.2			59.4					59.4			59.4
≥ 8000 ≥ 7000	57.9	59.0			50.9				60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
	<u> 58 • 9</u>	60.0		<del></del>	60.8				61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000 ≥ 5000	59.7	61.7	61.3		61.8				62.1	62.1	62.1	62.1	62.1	62.1	62.1	
	<u> 60•1</u>	61.7	61.9							62.9						62.9
≥ 4500 ≥ 4000	61.4	62.9	63.2	63.5	63.9		i	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
	62.9	64.6				66.0			66.1		66.1	66.1	66.1	66.1	66.1	
≥ 3500 ≥ 3000	54.6	66.4	66.7		67.6				67.9				67.9	67.9	67.9	
	67.6	69.4			70.8							71.3	71 - 3	71.3		
≥ 2500	71.1	73.2			-		75.3			75.4		75.4	75.4	75.4	75.4	75.4
≥ 2000	75.3	77.9			79.9		80.3					83.4	ac.4	80.4	80.6	
≥ 1800	76.3	79.2	-	[	81.1				81.8	81.8		81.8	51.8		81.9	81.9
≥ 1300	78.6	8 • 5			84.9						85.7		85.7			
≥ 1200	~ 1 • I	36.3	86.7	87.8		89.0		90.0					90.0			90.1
2 ,000	ĉ2•1	87.8				90.8							91.9			
≥ 900	32 · A	89.3	89.7	91.4			-		- 1						93.B	93.3
≥ 800	33.1	89.6		91.4		92.8			93.9				94.2		94.3	
≥ 700	83.5	93.1			93.1	- 1	1			94.7			95.0			
≥ 600	54.7	90.8				94.4							96.0			96.1
≥ 500	ε4•□	91.1		,	94.7		,	96.3	• -		96.7	96.7	96.8			96.9
≥ 400	54.0	91.4			95.3		96.1		96.8				97.6			97.6
≥ 300	64.D	91.4	92.2				96.1	96.8				97.5	98.1	98.1	98.2	
≥ 200	84.0	91.4					96.1	96.8		97.4		97.8	98.5			98.6
≥ 100	84.3	91.4							96.8				98.5		99.0	99.2
≥ 0	84.1	91.4	92.2	94.2	95.3	95.7	96.1	96.8	96.8	97.4	97.8	97.8	99.5	98.5	99.0	100.7

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS COITIONS OF THIS FORM ARE ASSOCIATE

LEGAL CLIMATOLOGY BRANCH CIFLTAC ATHLEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

1900-2000

CELLING							*15	B L *Y 57	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ √%	≥1%	≥1	≥ %	≥ %	≥ ∨;	≥ 5/16	≥ 4	ن ≤
NO CEILING	42.2	48.5	48.5	48.5	48.6	46.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.
≥ 20000	51.9	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.
≥ 18000	51.9	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.
≥ .9000	51.9	52.5	52.5	52.5	52.6	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.
≥ 14000	52.9	53.5	53.5	53.5	53.6	53.6	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.
≥ ,500¢	:5.1	55.7	55.7	55.7	55.8	55.8	56.0	56.3	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.
20000: ≤	59.9	60.4	60.4	6C.4	60.6	5J.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.5	8 Oo	60.
≥ 9000	50.9	61.4	61.4	61.4	61.5	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	51.
≥ 8000	51.7	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.8	62.º	62.0	62.8	62.5	52.9	62.
≥ 7000	62.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.
> 6000															65.3	65.
> 5000																

	_ 50 • × 1 51 • 4 1	61.4	61.4	61.5	61.5	61.7	61.7	<u> </u>	P 1 • 8	<b>D1.</b> 6	01.0	01.9	01.0	01.8	21.6
≥ 8000	51.7 62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.8	62.º	62.0	62.8	62.8	52.9	62.8
≥ 7000	62.B 63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	:3.6 64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	55.7 66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	56.7	66.7
≥ 4500	67.1 68.3	68.3	68.3	68.5	68.5	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	69.4 78.7	70.8	70.8	71.0	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	70.8 72.1	72.4	72.4	72.6	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	73.8 75.0	75.3	75.3	75.7	75.8	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	76.4 77.9	78.2	78.2	78.6	78.8	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2000	78.8 80.6	80.8	80.8	81.5	81.8	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	79.4 81.4	81.7	81.7	82.4	82.6	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	87.5
≥ 1500	81.8 84.2	84.4	84.4	85.1	85.4	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	83.5 86.9	87.6	87.8	88.6	88.9	89.9	89.9	89.9	90.0	90.0	90.3	90.0	90.0	93.0	90.0
≥ ,000	84.9 88.5	89.2	89.4	90.4	9 • 7	91.7	91.7	91.7	91.8	91.8	91.8				
≥ 900	89.3	90.0	90.3	91.3	91.5				92.9						92.9
≥ 800	85.8 89.9	90.6	90.8	91.8	92.1				93.5						-
≥ 700	36.0 90.3	91.0	91.3	92.2	92.5	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	86.1 91.1	92.2	92.5	93.5	93.8	94.9	95.0	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	86.3 91.4	92.6	93.1	94.D	94.3	95.4	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	86.3 91.7	93.1	93.5	94.4	94.7	96.0	96.1	96.1	96.5	96.8	96.8	96.8	36.8	96.8	96.3
≥ 300	66.3 91.7	93.1	93.5	94.6	95.1	96.4				97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	86.3 91.7	93.1			95.1			96.7							98.2
≥ 100	i i i		93.5	- 1					1	i i	1				
≥ 0	86.3 91.7	93.1	93.5	94.6	95.1	96.5	96.7	96.8	97.5	98.1	98.1	98.8	98.9	98.9	100 · C

TOTAL NUMBER OF OBSERVATIONS \_\_\_

720

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LLUBAL CLIMATOLOGY BRANCH COMPETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14

HECTOR APT FARGO NU

73-80

VCH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEIL NG			<u>_</u>				viS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥ : %	≥1%	≥1	≥ ¾	≥ %	≥ ∀:	≥5/16	2 %	≥0
NO CEIUNG ≥ 20000	47 <b>.4</b> 50.8	47.8 51.2			48.3	48.3 51.7	48.3 -1.7	48.3 51.7		48.4 51.9	48.4 51.9	48.4 51.9	48.4 51.9	48.4 51.9	48.4	48.8 5 <b>2.</b> 3
≥ 18000 ≥ 16000	50.8 50.8	51.2 51.2	51.2 51.2		1	51.7 51.7	-	51.7 51 ?	51.7 51.7			51.9 51.9			51.9 51.9	52.3 52.3
≥ 14000 ≥ 12000	52.7 55.4	53.1 55.8	53.1 55.8	53.4 56.1		53.7 56.3		53.7 56.3		53.8 56.5		53.8 56.5				54.2 56.9
3006 ₹ 3006. ₹	59.0 59.3	59.4 60.2				59.9 60.8	60.8		6C.8	60.1 60.9	60.9	60.9	60.9	60.9		60.5 61.3
≥ 8000 ≥ 7000	ნ₿•6 6 <b>2•4</b>	51.1 62.9			63.4		63.4		63.4	61.8 63.6	63.6	63.6	63.6	63.6	63.6	
≥ 6000 ≥ 5000	64.5		65.2	65.5	65.8		65.8	65.8	55.8	65.1 65.9	65.9	65.9	65.9	65.9		66.3
≥ 4500 ± 4000	64 • 9 67 • 2		68.2	68.8	69.1	69.1	69.1		69.1	66.5 69.3	69.3		69.3	69.3	69.3	69.7
≥ 3500 ≥ 3000			72.7		73.7	73.7	73.7		73.7	70.2	73.9	73.9	73.9	73.9		74.3
≥ 2500 ≥ 2000	75.4 78.6	80.0		81.2	81.5	81.5	81.6	81.6	81.6	77.9	81.8	81.8	81.8	81.8	81.3	82.2
≥ 1800 ≥ 1500	79.4 81.5	83.3	83.6	84.6	84.8		85.4	85.4	85.4	83.2	85.7	85.7	85.7	85.7		
≥ 1200	83.0 84.7		87.5	88.9	89.3	89.4	89.8	89.8	89.8	87.9 90.1	90.1	90.1	90.1	90.1	93.1	96.5
≥ 900 ≥ 800	85.1 85.4	87.6	88.6	90.3	90.7		91.9	91.9	91.9	92.2		92.2	92.2	92.2	91.4 92.2 93.2	
≥ 700 ≥ 600 > 500	85.8 66.0	89.0 89.6 90.3			92.2	92.6	93.7	93.9	i l	94.2	94.3	94.3	94.3	94.3	94.3	94.7
≥ 500 ≥ 400 ≥ 300	6 <b>6.</b> 0	90.3	91.0	93.2	93.7		95.8	1	96.0	96.5		96.9	96.9	96.9	96.9	97.4
≥ 200	86.	90.5		93.7	94.7	95.3	96.9	97.5	97.5		99.0	99.0	99.0		99.0	99.4
2 0	86.	90.5	1	93.7			_		_	98.6						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_719

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSE

HEL-AL CLIMATOLOGY BRANCH TAPETAC AT DEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO ND

73-80

NOV

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OURS (L.S.T.)

CERNS							vIS	B LITY ST.	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ : ⅓	≥1%	≥1	≥ ¼	≥ %	≥ v.	≥ 5/16	<u> </u>	≥ડ
NO CEILING ≥ 20000	45.1	45.9 50.6	46.0 50.7			46.5 51.2	46.6 51.3		_		-	46.8 51.5	46.8 51.6	46.8 51.6		47.3
≥ 18000 ≥ :8000	49.8	50.8 50.9		51.1 51.1		51.5 51.5				51.8 51.8		51.8 51.8	51.8 51.9	51.8 51.9	51.9	52.0
≥ 14000 ≥ 12000	51.0 52.9	52.0		52.3	52.6		52.8	52.8	52.8	52.9 54.9	53.0	53.0	53.0		53.0	53.2
≥ 10000 ≥ 9000	56.6 57.4	57.6 58.4	57.8 58.6			58.4 59.2	58.5 59.3		58.6	58.7 59.5	58.7	58.7	58.8 59.6	58.8 59.6		58.9
≥ 8000 ≥ 7000	58.2 59.4	59.3			67.0 61.3		60.2		60.3		6C.5	60.5	6]•5 61•8		60.5 61.8	60.7
≥ 6000 ≥ 5000	60.3	61.6	61.9	62.0		62.4	62.6	62.6	62.6			62.8	62.9	62.9	62.9	63.3 64.5
≥ 4500 ≥ 4000	52 · 1	63.6					64.7 67.0		-	64.9	64.9	64.9 67.2	64.9	64.9	65.3 67.3	65.1
≥ 3500 ≥ 3000	65.1 67.5	66.8		67.4 70.0									68.3 71.0			68.5
≥ 2500 ≥ 2000	70.9 74.6	73.0 77.2			1			- 1	,			75.1 79.8	75 • 1 79 • 8	75.1 79.8	75.2 79.8	75.3 80.0
≥ 1800 ≥ 1500	75.8 78.2	78.5 81.4								81.2 84.6	81.2 84.6	81 • 2 84 • 6	81 • 3 84 • 7	61.3 84.7	51.3 54.7	81.5 84.8
≥ 1200 ≥ 1000	80.3 81.6	84.2 85.8				86.9 88.9				88.0 90.1				8 <b>8.1</b> 90.2	68.1 90.2	88.3 90.3
≥ 900 ≥ 800	82.2 82.5	86.6 87.2	- : -				90.5 91.3		-	91.2 92.0		91.2 92.0	91.3 92.1	91.3 92.1		91.5 92.3
≥ 700 ≥ 600	62.9 63.3	87.9 88.8	88.8 89.7		91.0 92.1		92.2 93.5	_		93.0 94.4			93.2 94.6			93.3 94.8
≥ 500 ≥ 400	83.5 83.5	89.2 89.4	90.6	92.2	93.4	93.5 94.2	95.3	95.9	96.D	96.4	96.7	96.7		95.6 96.8	96.9	95.8 97.0
≥ 300 ≥ 200	83.5 83.6	89.5	90.8		94.1	95.0	96.2	97.0	97.1	97.9	98.2	98.2	97.9 98.6	98.6	98.7	98.1 98.9
≥ 100 ≥ 0	83.6 83.6	89.6	90.8 90.8			95.0 95.0			97.2 97.2	98.0 98.0		98.4 98.4	98.9 98.9	99.0 99.0		99.6

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL. PAL CLIMATOLOGY BRANCH MI AFETAC A' "EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-63

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0206

CELLING							vis	B.L.*Y 57	ATUTE MIL	<b>E</b> 5				_		
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥ . %	≥1%	≥1	2 %	≥ %	≥ ∀;	≥ 5/16	≥ ′4	≥c
NO CEIUNG ≥ 20000	38.7	39.9		40.6	40.6	1	40.7	40.7	40.7	40.7	40.7	40.7		41.1	41.4	41.9
	40.3	42.2	<del></del>	42.9	42.9						43.C			43.4	43.7	
≥ 18000	40.6	42.5		43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.7	43.7	44.0	44.5
	40.6	42.5		43.1	43.1	43.3				43.3	43.3	43.3	43.7		44.0	
≥ 14000 ≥ 12000	41.1	43.0	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.6	43.9	44.2	44.2	44.5	45.0
	42.7	44.9	45.3	45.6	45.6		45.7				45.7	45.7	46.1	46.1	46.4	
≥ 10000	47.0	49.6	50.1	50.4	50.4		50.5			50.5	50.5		•	50.9	51 • 2	
	49.1	51.6		52.7	52.8					53.1	53.1	53.1	53.5		53.8	
≥ 8000 ≥ 7000	50.5	53.1	53.9	54.2	54.3		54.6	54.6	54.6	54.6	54.6	54.6			55.2	
	53.0	55.5		56.6	56.7			57.0			57.C				57.7	
≥ 6000 ≥ 5000	55.5	58.2		59.5	59.7			59.9		59.9	59.9			60.3		61.2
≥ 3000	57.9	60.5		62.0	62.4			62.8			62.8					
≥ 4500	59.1	62.1	63.2	63.6	64 • D		64.2	64.4		64.4	64.4	64.4	64.8	64.8	65.1	
≥ 4000	61.4	64.7	65.7	66.3	66.7						67.1	67.1	67.5			
≥ 3500	U2.5	66.0	67.1	67.6			68.3	68.4	68.4	68.4	68.4	68 • 4		68.6	69.1	
≥ 3000	64.0	68.0		69.9	77.4						71.0			71.4	71.6	
≥ 2500	65.6	70.Q	71.2	72.6	73.1	73.3		73.8	73.8	73.8	73.e	73.8			74.5	75.0
≥ 2000	66.8	72.3	73.7	75.3	76.1	76.2					76.7	76.7				76.3
≥ 1800	67.7	73.8	75.3	76.9	77.7			78.4	78.4	78.4	78.4	78.4	78.8	78.8	79.0	79.6
≥ 1500	70.6	76.9	78.4	80.2	81.0	81.2	81.5			81.7	81.7	81.7		82.1	82.4	-
≥ 1200	71.9	78.6	80.2	82.1	82.9	83.2	83.5	83.7	83.7	83.7	83.7	83.7	84.1	84.1	54.4	84.9
≥ .000	72.7	83.Q	82.1	84.4	85.	85.5	86.0	86.3		86.3	86.3	86.3	86.7	86.7	87.0	67.5
≥ 900	73.3	80.8	82.9	85.3	86.2	86.4	87.0	87.2	87.2	87.2	87.4	87.4	67.8	87.8	58.0	
≥ 800	73.9	81.5	83.6	86.2	87.0	87.2	87.8	88.0	88.0	88.0	88.2	88.2	88.6		88.8	89.4
≥ 700	74.6	82.5	84.8	87.5	88.4	88.7	89.4	89.7	89.7	89.7	89.8	89.8	90.2	90.2	90.5	
≥ 600	75.d	83.3	86.0	88.7	89.7	89.9	90.6	90.9	90.9	90.9	91.0	91.0	91.4	91.4	92.1	92.5
≥ 500	75.5	84.0	87.2	90.3	91.3	91.8	92.6	92.9	92.9	92.9	93.0	93.0	93.4	93.4	94.1	94.6
≥ 400	75.5	84.3	87.5	90.7	92.2	93.0	93.8	94.1	94.1	94.1	94.4	94.4	95.0	95.0	95.7	96.2
≥ 300	75.5	84.4	87.8	91.3	93.0	94.1	94.9	95.3	95.3	95.3	95.6	95.6	96.4	96.5	97.2	97.7
≥ 200	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.4	95.8	96.4	96.4	97.3	97.6	98.3	98.8
2 ا00	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.6	96.D	96.6	96.9	98.0	98.3	99.3	99.9
≥ 0	75.5	84.4	87.8	91.3	93.0	94.1	95.0	95.4	95.6	96.1	96.8		98.1	98.4	99.5	100 • C

TOTAL NUMBER OF OBSERVATIONS \_\_\_

GL. HAL CLIMATOLOGY BRANCH STAC AT. REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

YEARS

1 - < 14

HECTOR APT FARGO NO

73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH 0**300-050**0 HOURS (L.S.T.)

CEILING							viS	BIL TY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ٧:	≥ 5/16	≥ ¼	≥c
NO CEIUNG ≥ 20000	39.1 41.0	40.3		41.1			41.5	41.7		41.7 44.0	41.7 44.0	41.7 44.0	41.8	41.8	42.2	42.7 45.3
≥ 18000 ≥ 16000	42.1 42.1	43.5	44.1	44.4		44.8	44.9	45.0 45.0		45.0	45.0 45.0	45.0 45.0	45.2	45.2 45.2	45.6	46.1 46.1
≥ 14000 ≥ 12006	42.9	44.4		45.2 46.5		45.6	45.7 47.0	45.8 47.2	45.8 47.2	45.8 47.2	45.8 47.2	45.8 47.2	46.0 47.3	46.0	46.4	46.7
≥ 10000 ≥ 9000	46.9	49.1 51.3	49.6 51.9	50.0 52.3		50.4 52.7	50.5 52.8	50.7 53.0	50.7 53.0	50.7 53.0	50.7 53.0	50.7 53.0	50.8 53.1	50.8 53.1	51.2 53.5	51.7 54.3
≥ 8000 ≥ 7000	40.9 51.6	52.3 54.0	53.0 55.0	53.5 55.9		53.9 56.3	54.0 56.5		54.2 56.6	54.2 56.6	54.2 56.6	54.2 56.6	54.3 56.7	54.3 56.7	54.7 57.1	55.2 57.7
≥ 6000 ≥ 5000	53.4 55.0	55.9 57.8		57.9 59.8	- • •	7 1	58.6 60.5		58.7 60.6	58.7 60.6	58.7 60.6	58.7 60.6	58.9 60.8	56.9 60.8	59.3 61.2	59.8 61.7
≥ 4500 ≥ 4000	55.6 59.1	58.5 62.6	• • -	60.6 65.2		61.3	61.4 66.0	1		61.6 66.1	61.6	61.6	61.7	61.7	62.1 56.7	62.6
≥ 3500 ≥ 3000	60.2 61.7	63.7 65.5	64.8	68.3		67.1 69.1	67.2 69.2			67.3	67.3 69.4	67.3 69.4	67.5 69.5	67.5 69.5	67.9 69.9	68.4 70.4
≥ 2500 ≥ 2000	υ <b>3.6</b> 64.9	67.6		71.D			72.2 75.0				72.3 75.1	72.3 75.1	72.4 75.3	72.4 75.3		
≥ 1800 ≥ 1500	66.9 67.9	71.2							77.6 79.3		-		77.7 79.4	77.7 79.4		78.6 80.4
≥ 1200 ≥ 1000	69.6 71.1	75.3 76.9			1	82.0 83.9				82.8 84.7			82.9	82.9 84.8		83.9 85.8
≥ 900 ≥ 800	71.8		80.5	82.8 83.3		85.5		86.6	86.6			85.9 86.7	86.0 86.8		86.4 87.2	87.8
≥ 700 ≥ 600	72.4	79.3 80.1	83.3		88.2	88.8	87.5 89.7	89.9	89.9	87.9 90.1	90.2	90.2	88.0 90.3	- 1		89.0 91.7
≥ 500 ≥ 400	73.4	81.2	84.4		90.5	91.5	92.5	92.9	92.9	92.1 93.1	93.3	92.2		93.5	93.1 94.4	94.9
≥ 300 ≥ 200	73.5 73.5	81.3	84.7		91.5	92.9	94.0	94.6	94.6	94.6	95.7		95.7	96.4	97.4	98.0
≥ 100 ≥ 0	73.5 73.5		84.7	88.4		92.9 92.9		94.6		95.2 95.2			96.6 96.8	96.6 96.8	99.1 99.2	99.6 100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

744

OL TAL CLIMATOLOGY BRANCH UNAFETAC ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14

HECTOR APT FARGO NO

73-85

EC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U637-0800

CEILING							٧٠S	B . ** 5**	ATUTE MILI	5						
(FEE')	≥ 10	≥6	≥ 5	2 4	≥ 3	≥2%	≥ 2	≥ પ્ર	≥1%	≥'	≥ %	≥%	≥ V:	≥ 5/16	≥ ¼	≥c
NO CEILING	35.5	37.4	37.6	37.9	38.3	34.4	38.4	38.4	38.4	38.6	38.7	38.7	38.8	39.0	39.2	39.2
≥ 20000	38.7	43.9	41.1	41.8	42.2	42.3	42.3	42.3	42.3	42.5	42.6	42.6	42.7	42.9	43.1	43.1
≥ 18000	39.4	41.5	41.8	42.5	42.9	43.0	43.0	43.0	43.0	43.1	43.3	43.3	43.4	43.5	43.8	43.8
≥ .9000	39.4	41.5	41.5	42.5	42.9	43.0	43.0	43.0	43.0	43.1	43.3	43.3	43.4	43.5	43.8	43.8
≥ 14000	40.5	42.6	42.9	43.5	44.0	44.1	44.1	44.1	44.1	44.2	44.4	44.4	44.5	44.6	44.9	44.9
≥ ,5000	42.1	44.4	44.6	45.3	45.7	45.8	45.8	45.8	45.8	46.0	46.1	4 . 1	46.2	46.4	46.6	46.6
≥ 10000	45.0	48.0	48.5	49.2	49.6	49.7	49.7	49.7	49.7	49.9	50.0	50.0	50.1	50.3	50.5	50.5
≥ 9000	47.3	50.4	50.9	51.6					52.2			52.4	52.6		53.0	53.0
≥ 8000	47.8	50.9	51.5	52.3	52.7	52.8	52.8		52.8	53.0		53.1	53.2		53.6	53.6
≥ 7900	49.7	52.8	53.4		54.7	54.8			54.8			55.1	55.2		55.6	55.6
≥ 6000 ≥ 5000	51.7	54.8	55.4		56.7	56.9		- 1	56.7	57.0		57.1	57.3	, :	57.7	57.7
	53.4	56.6	57.1	57.9		58.6			58.6		58.9				59.4	
≥ 4500 ≥ 4000	54 • 2	57.8	58.3	59.3		59.9			60.1	60.2	60.3	60.3	60.5			63.9
	56.3	60.8	61.4			63.7					64.2	64.2	64.4	64.5		
≥ 3500 ≥ 3000	57.7	62.4	63.2	64.5	65.2	65.5	1	65.7	65.7	65.9	66.0	66.0	66.1	66.3	66.5	66.5
	59.8	64.8	65.7			68.3					68.8				69.4	69.4
≥ 2500 ≥ 2000	62.6	67.7	68.7	70.3	71.4	71.6			71.9		72.3	72.3	72.4	72.6	72.3	72.8
	64.7	69.9	71.0			74.2						75.1	75.3			
≥ 1800	65.6	71.1	72.6	74.5		76.1			76.6		77.0	77.0	77.2	77.3	77.6	77.6
	66.4	72.6	74.5	76.6	78.0	78.4			79.2			79.7				83.2
≥ 1200	67.6	74.3	76.6	78.9	80.4	80.9	• • •				82.5	82.5		82.8	83.1	83.1
	08.0	74.9	77.6			82.4			83.6		84.3	84.3	84.4	84.5	54.8	84.9
≥ 900 ≥ 800	69.2	76.3	79.d	81.9	83.6	84.1			85.5		86.3	86.3	86.6		87.0	87.0
	70 · q	77.6	80.5	83.5	85.5	86.2	86.8		87.5		88.6	88.6			59.4	89.4
≥ 700 ≥ 600	70.2	77.7	80.8	83.7	85.8	86.4	87.1	87.8	87-8		89.0	89.0		- ,	89.8	89.8
	70.7	78.8	82.0	84.9	87.2	88.0						91.1	91.5			91.9
≥ 500 ≥ 400	70.7	78.9	82.1	85.3	88.g	89.0	89.8		90.6		92.1	92.1	92.5		92.9	
	71.0	79.4	82.7	86.0		89.9			91.5			93.0				94.0
≥ 300 ≥ 200	71 - 1	79.6	83.1	86.6	90.1	91.0	92.1	93.0	93.1	94.8						96.1
	71.1	79.6	83.1	86.7		91.8	92.9		94.2			96.4				98.1
≥ 100 ≥ 0	71.1	79.6	83.4	86.8	91.0	91.9			94.4		96.5					
≥ 0	71.1	79.6	85.4	86.8	A1.0	91.9	93.0	94.1	94.4	76.1	96.6	75.8	97.7	98.1	99.3	100.0

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET

SEUSAL CLIMATOLOGY BRANCH CAPETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

HECTOR APT FARGO NO

73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J900-1100

CEIL NG							*15	( <b>8</b> (*) 57.	ATUTE MIL	ES .						
(FEE')	≥1C	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ %	≥1%	≥,	≥ ¾	≥%	≥ ٧.	≥ 5/16	≥ ¼	≥c
NO CERING	34.1	37.5	38.3	38.6	39.1	39.2	39.7	39.7	39.7	39.7	39.7	39.7	39.9	40.1	40.1	40.1
≥ 20000	39.8	44.6		46.1	46.8					48.1	48.1	48.1	48.4	48.5		48.5
≥ 18000	39.8	44.6	45.4	46.1	46.8	47.0	47.7	48.0	48.1	46.1	48.1	43.1	45.4	48.5	48.5	48.5
≥ :6000	39.8	44.6	45.4	46.1	46.8	47.5		48.J	48.1	48.1	48.1	48.1	48.4	48.5	48.5	
≥ 14000	41.7	46.0	46.8	47.4	48.1	48.4	49.1	49.3	49.5	49.5	49.5	49.5	49.7	49.9	49.9	49.9
≥ .5000	43.3	48.3	49.1	49.9		50.8	51.5		51.9	51.9	51.9	51.9	52.2		52.3	F 2 • 3
≥ 10000	45.4	50.8	51.7	52.7	53.5	53.8	54.4	54.7	54.8	54.8	54.8	54.8	55.1	55.2	55 • 2	55.2
≥ 9000	46.8	52.4	53.4	54.4		55.5	56.2	56.5	56.6	56.6	56.6		56.9	57.5	57.0	57.0
≥ 8000	47.8	53.5		55.5		56.7	57.4	57.7	57.8	57.8	57.8	57.8	58.1	58.2	58.2	58.2
≥ 7000	40.7	55.4	56.3	57.5			59.5		59.9	59.9		59.9	60.2	60.3	60.3	€0.3
≥ 6000	50.7	56.6	57.5	58.7	59.8	60.1	61.0		61.4	61.4	51.4	61.4	61.7	61.6	61.8	61.8
≥ 5000	51.6	58.1	59.5	60.2	61 • 6				63.4	63.4	63.4	63.4	63.7		63.8	63.8
≥ 4500 ≥ 4000	52.3	58.9		61.0		62.6	63.8		64.4	64.5	64.5	64.5	64.8	64.9	64.9	64.9
	54.3	61.2								67.3	67.3					67.7
≥ 3500 ≥ 3000	54.4	61.8		64.1	65.7	66.G		67.7	67.9		68.1	68.1	69.4	68.5	69.5	68.5
	55.9	63.7	64.8		67.9					70.4						-
≥ 2500	58.2	66.8	7 - 7 -	69.6	1		74 - 1	74.5	74.6		74.9	74.9	75.1	75.3	75 • 3	75.3
	59.1	68.3					75.9			76.9			77.3			77.4
≥ 1800	59.7	68.8				75.1	76.9	77.3			77.8				78.4	78.4
	61.4		72.3				79.8							82.0	_	82.1
≥ 1200	62.1	71.6				79.0			82.1	82.9			83.9	84.0	84.1	84.1
	62.6			76.5	-		83.2			84.9					86.6	86.6
≥ 900 ≥ 800	62.6	72.7		77.0	80.1				85.2	86.3	-		87.6	87.9	88.0	
2 8(3)	63.3	73.3					35.3			88.2					90.2	
≥ 700 ≥ 600	63.2	73.4		78.0	81.3					88.4			90.1	90.3	90.5	90.5
≥ 600	63.3		76.3		82.7		87.1			89.9				91.8		92.1
≥ 500	63.4	74.2		78.9			87.8		1				92.3	92.6	93.0	
2 400	63.4	74.7			83.9					92.2				94.1		
≥ 300	64.1	75.Q					90.7						95.8	96.1	96.5	
≥ 200	64.1	75.0					91.1			95.0				97.8		
≥ 100	64.1	75.0								95.0						
≥ 0	64.1	<u>75.g</u>	77.4	80.1	85.1	87.4	91.1	92.7	93.0	95.2	96.5	97.2	98.0	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_

744

SECRAL CLIMATOLOGY BRANCH JE AFETAC ALF DEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

10-14 HECTOR APT FARGO NO

73-85

DEC

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1403

CEL NO							viS	. TY ST	ATUTE MIL	E 5						
(FEET)	<b>3</b> .c	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . ½	≥1%	≥1	≥%	≥ %	≥ v:	≥ 5/16	≥ %	≥c
NO CEUNG ≥ 20000	37.1	39.5 48.1	39.8 43.7	40.3 49.2	40.6 49.5				41.3		41.4 50.8	41.4 50.8	41.4 50.8	41.4 50.8	41.4 50.5	
≥ 18000 ≥ 18000	45.4	48.5	49.1	49.6		49.9			50.8 50.9		51.2 51.2	51.2 51.2	51.2 51.2	51.2 51.2	51.2 51.2	
≥ 14000 ≥ 12000	47.0	50.5	51.1	51.6 52.7					52.8 53.9	52.8 53.9	53.2	53.2	53.2	53.2	53.2 54.3	
3006 ₹ 0000, ₹	50.1	53.8 55.8	54.3	54.8 57.1		55.1	56.0	56.2	56 • 2 58 • 5	56.2 58.6	56.7 59.1	56.7 59.1	56.7 59.1	56.7 59.1	56.7	
≥ 8000 ≥ 7000	52.5 54.4	56.6	57.1 59.1	57.9 59.9			اہے ۔ ا		59.4 61.4	59.5 61.6	60.1 62.1	60.1 62.1	62.1 62.1	60.1 62.1	50.1 62.1	60 • 1 62 • 1
≥ 6000 ≥ 5000	55.9 56.5	60.1 63.8	60.6	61.4	61.8	61.8			62.9	63.0 63.8	63.6	63.6	63.6	63.6	53.6 64.4	
≥ 4500 ≥ 4000	57.1 58.3	61.4	62.2	63.0	63.4		64.4		64.7 67.1	64.8 67.2	65.3 67.9	65.3 67.9	65.3 67.9		65.3 67.9	
≥ 3500 ≥ 3000	58.3 59.8	63.4	64.5	65.3 67.1	66.1 68.3	66.3			67.6 70.3		68.4 71.1	68.4 71.1	68.4 71.1	68.4 71.1	68.4 71.1	68.4 71.1
≥ 2500 ≥ 2000	61.3 63.6	66.9	68.1 70.8	69.2 71.9		73.7 73.5			72.8 76.1	73.0 76.2	73.7 76.9	73.7 76.9	73.7 76.9	73.7 76.9	73.7 76.9	73.7 76.9
≥ 1800 ≥ 1500	64.4	70.4 71.8	71.8 73.3		74.3 75.9	74.7 76.6		79.4	77.3 79.6		78.1 80.5	78.1 85.5	78.1 80.5	78.1 80.5	78.1 80.5	78.1 80.5
≥ 1200 ≥ ,000	6 <b>6 • 1</b> 5 <b>6 • 7</b>	73.1 73.9	75.0 75.8				80.8 82.5	84.1	82.0 84.3		85.9	83.3	86.2	86.2	63.3 86.2	83.3 86.2
≥ 900 ≥ 800	67.1 67.5	74.7	76.7 78.0	78.2 79.8	82.3	81.3 83.2		87.5	85.6 87.6	88.6		87.4 89.9	90.1	90.1	87.5 95.1	87.5 90.1
≥ 700 ≥ 600	67.6	75.5 76.3	78.2 79.0	81.0	83.6	84.5	87.9	89.9	88.3 90.1	91.1	92.5	90.9	92.7	92.7	91.0	92.7
≥ 500 ≥ 400	67.7	76.5 76.6	79.3 79.6		84.9	86.3	90.3	92.5		94.0	95.3	94.6	95.8	96.0	95.2 96.1	95.2 96.5
≥ 300 ≥ 200	67.7	76.6	79.6	82.1	85.8		91.7	93.8		95.8		97.8	98.4	98.5		99.3
≥ ¹00 ≥ 0	67.7	76.6 76.6	79.6 79.6		85.8 85.8					-	97.6 97.6					100.0

TOTAL NUMBER OF OBSERVATIONS \_

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ULCARL CLIMATOLOGY BRANCH ACCTAC ACCTAC ACCTAC SERVICEZMAC

## CEILING VERSUS VISIBILITY

1 1 4

HECTOR APT FAPGO NU

73-80

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 Hours (L.s.T.)

CELLNG							v15	B . ** ST	ATUTE MILE	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	<b>2</b> 2	≥ . %	≥1%	≥ '	≥ ¼	≥ %	≥ 4.	≥5/16	≥ ¼	≥¢
NO CERING ≥ 20000	39.7 46.1	43.3	41.4	41.7	41.7	41.7	- 1	41.8 50.0		41.8 50.1	41.8 50.1	41.3 50.1	41.9 50.1	41.5 50.1	41.9 50.3	41.9
≥ 18000 ≥ 16000	46.5	48.7	49.7	50.1	50.1	50.1	50 • 3	50.4	50.4	50.5	50.5 50.7	50.5 50.7	50.5 50.7	50.5	50.7 50.8	50.7
≥ '4000 ≥ '2000	46.6	48.8	57.8	51.2	51.2	51.2	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.9	51.0
20000' ≤	49.2 2.6	51.6	56.5	56.9	53.2	57.3	53.5 57.5	57.8	57.R	57.9	53.9 57.9	51.9	53.9 57.9	57.9	54.0 58.1	54.0 58.1
≥ 9000 ≥ 8000	53.9 54.0	57.3 56.2	58.3 59.4	58.9 59.9	59.3		59.8 60.9	60.1 61.2	60.1 61.2	61.3	60.2 61.3	61.3	61.3	61.3	51.4	60.3
≥ 7000 ≥ 6000	56.3 58.2	59.7	60.9	61.4	61.8	62.0 64.0	64.5		62.6 64.8	62.8	64.0	64.9	62.8	62.8	62.9	62.9 65.1
≥ 5000 ≥ 4500	54.5	62.5	<b>—</b>	64 - 2	64.7	64.9 66.3		65.9	65.9 66.9		66.D	66.0	66.0	66.0	67.2	67.2
≥ 400C ≥ 3500	50.5	64.5	65.9	66.5	67.1	67.5	68.1	68.5	68.5		68.7	69.7	68.7	69.9	68.8 70.0	68.8
≥ 3000	63.0	67.1	68.7		77.3	73.8	71.5	71.9	71.9	72.0	72.0			72.3	72.2 73.5	
≥ 2500 ≥ 2000	66.8	71.2	73.3	74.2	75.4	76.2	77.2	77.8	77.8	78.0	78.0	78.0	78.3	78.0	78.1	78.1
≥ 1800 ≥ 1500	67.6 69.0	72.3	74.3 76.1	75.4 77.2	78.5	79.3	80.2		80.9		79.2 81.3		79.2 81.3	79.2	79.3 31.5	79.3 81.5
≥ 1200 ≥ -000	69.4	75.1 75.9	77.3 78.4	78.6 79.8		1	82·1 84·3		85.5	84.D 86.4	84.1 86.6	84 • 1 86 • 7	86.8	84.1 86.8	84.3 87.5	87.0
≥ 900 ≥ 800	69.6 69.8	77.0	79.7 80.4	81.2	83.2 84.1	84.7 85.6	86 • D	87.2 88.2		88.2 89.2	88.7 89.8			89.0 90.1	89.1 90.2	89.1 90.2
≥ 700 ≥ 600	70 • 0 70 • 6	78.2		82.8	85.3 87.4		88.3	89.5 92.2		90.6 93.3	91.1 94.0	91.3	91.4 94.2	91.4	91.5	91.5
≥ 500 ≥ 400	70.7	79.2	82.9	84.8	88.3 89.0		92.3 93.1	93.7		94.8	95.6 96.5	95.7 96.8	95.8 97.0	95.6 97.0	96.0 97.2	96.0 97.4
≥ 300 ≥ 200	70.7	79.3	83.3	85.5		90.9			95.4	97.0	97.8	98.1	98.4	98.4	98.5 99.1	96.8
≥ 100 ≥ 0	70.7	79.3	83.3	85.5	89.1	90.9		95.4		97.2	98.4 98.4			99.1	99.5	100.0
	70.7	79.3	83.3	85.5	89.1	90.9	93.7	75.4	<b>95.6</b>	91.2	78.4	98.7	99.1	99.1	99.6	100•0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

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SE HAL CLIMATOLOGY BRANCH LAFETAC ATE REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 HICTOR AFT FARGO ND

73-80

BEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 10-2000 HOURS (L.S.T.)

CEILNG						_	vis	BLTY ST	ATUTE MIL	E S						
(FEE")	5,0	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥ .%	≥1%	≥ '	≥ %	≥%	≥ 7	≥ 5/16	≥ %	≥:
NO CEIUNG ≥ 20000	45.1			46.8	46.9 50.0		47.0 50.1	47.0 50.1		47.0 50.1		47.0 50.1		47.3 50.4		1
≥ 18000 ≥ 18000	46.6	49.1 49.2	49.5	50.5	1		50.7 50.8	50.7 50.8		50.7 50.8	50.7 50.5	50.7 50.8	50.9 51.1		51.1 51.2	
≥ '4000 ≥ '2000	48.1			51.9 53.1		52.2 53.4	52.2 53.4	52.2 53.4	52.2 53.4		52 • ? 53 • 4	52.2 53.4		52.4 53.6	52.6 53.8	52.7 53.9
2000° ≤ 2000 ≤	12.4	54.8 56.5		56.2 57.9	56.3 58.1			56 • 5 58 • 2		-		56.5 58.2		56.7 58.5	56.9 58.6	57.7 58.7
≥ 8000 ≥ 7000	5.2 56.5	58.1 59.4	58.7 60.1	59• <b>5</b> 6 <b>1•</b> 0		61.3	61.3	59.8 61.3		61.3	_	59.3	60.1 61.6	60.1 61.6	υΒ•2 υ <u>1•7</u>	50.3
≥ 6000 ≥ 5000	57.7	61.0 62.6	61.7 63.3					62.9 64.7			62.9 64.7	62.9 64.7	64.9	64.9	63.3 65.1	63.4 65.2
≥ 4500 ≤ 4000	59.8 t1.3			67.5	67.6	67.7	67.9	65.6 67.9	67.9	67.9	67.9	65.6 67.9	65.9 68.1	68.1	56.7 68.3	68.4
≥ 3500 ≥ 3000	62.6		68.4	69.8	70.0	70.2	70.3	70.3	70.3	70.3		73.3		68.7 70.6		70.8
≥ 2500 ≥ 2000	64.9	71.8	73.4	75 - 1	75.9		73.4	76.3	76.3	76.3	76.3			73.1		76.9
≥ 1800 ≥ 1500	67.3		77.7	79.4			80.8	80.8	80.8	80.8	80.8	77.6 83.8	77.8	81.0	c1.2	
≥ 1200 ≥ 1000	70.4 70.8	76.5		92.9	84.3		85.1		65.2	85.2	85.2		83.5	85.5	55.5	P5 . E
≥ 90C ≥ 800	71.2		82.8	85.5	87.1	87.2	38.0	88.3	88.3	89.0	89.0		89.4	87.2 89.4 90.7		89.1
≥ 700 ≥ 600	71.4			87.8	89.7			91.0	91.0	91.8	91.9		90.7 92.5 93.7			92.1
≥ 500 ≥ 400 > 300	72.3 72.3	82.7 83.1	85.8 86.3		92.2	91.0 92.6	93.4	93.8	93.8	94.6	94.8		95.3	95.3		95.€
≥ 200	72.3	83.5 83.5	87.0	91.7	94.0	-	95.8	96.4	96.5	97.4	97.7	98.0		98.5	99.3	99.
≥ 100 ≥ 0	72.3		_	91.7							97.8					100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SERIAL CLIMATOLOGY BRANCH Printerac Anni Reather Service/Mac

### CEILING VERSUS VISIBILITY

1 1 4

HECTUP APT FARGO NO

73-80

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.0-2300

VISIBUTY STATUTE MILES ≥ 4 ≥ % ≥ 6 ≥ 3 ≥2% ≥ 2 ≥ % ≥1% ≥ 5/16 NO CEILING 40.1 42.3 42.3 4..6 42.6 42.6 42.6 42.6 42.6 42.6 42.7 42.7 43.3 43.4 43.5 43.5 ≥ 20000 41.4 43.8 43.8 44.2 44.2 44.2 44.2 44.2 44.2 44.2 44.4 44.4 44.9 45.0 45.2 45.2 ≥ '8000 41 . 4 44 . 4 ≥ 16000 41.5 45.7 47.3 47.3 ≥ 12000 2000° ≥ ≥ 8000 ≥ 7000 ≥ 5000 59.3 63.7 63.2 64.2 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.7 64.7 64.7 65.2 65.3 65.5 65.5 ≥ 4500 ≥ 3500 ≥ 3000 2500 ≥ 2500 ≥ 2000 67.7 74.1 75.1 76.7 77.3 77.3 77.4 77.4 77.4 77.4 77.6 77.6 77.6 78.1 78.2 78.4 78.4 2 1800 64.8 75.9 77.4 79.3 80.0 80.0 80.5 80.6 80.6 80.6 80.8 80.8 81.3 81.5 01.6 81.6 71.1 78.6 83.5 82.7 83.5 83.5 84.1 84.3 84.3 84.3 84.4 84.4 84.4 84.9 85.1 65.2 85.2 ≥ 1200 72.3 83.5 83.1 85.3 86.6 86.6 87.4 87.5 87.5 87.5 87.6 87.6 88.2 88.3 68.4 88.4 72.6 80.8 83.5 85.8 87.1 87.1 87.9 88.0 88.0 88.0 88.0 88.2 88.2 88.7 88.8 69.0 89.0 73.3 81.5 84.3 86.6 87.9 87.9 88.7 88.8 88.8 89.0 89.1 89.1 89.7 89.8 69.9 89.9 ≥ 000 800 700 73.9 82.3 85.3 87.9 89.4 89.4 90.3 90.5 90.5 90.6 90.7 90.7 91.3 91.4 91.5 91.5 2 74.1 82.7 85.8 88.6 90.3 90.3 91.3 91.4 91.4 91.5 91.7 91.7 92.2 92.3 92.9 92.9 74.2 83.3 86.4 89.4 91.1 91.1 92.2 92.5 92.5 92.6 92.7 92.7 93.3 93.4 94.0 94.0 74.2 83.3 86.8 89.9 91.9 92.2 93.5 93.8 93.8 94.0 94.1 94.1 94.6 94.8 95.3 95.3 500 400 74.2 83.5 87.2 91.0 93.1 93.4 94.9 95.4 95.6 96.0 96.1 96.1 96.6 96.8 97.3 97.3 300 74.2 83.6 87.4 91.1 93.5 93.8 95.4 96.1 96.2 96.6 96.9 96.9 97.7 98.3 98.8 98.6 74.2 83.6 87.4 91.1 93.5 93.8 95.4 96.1 96.2 96.6 96.9 96.9 98.0 98.8 99.5 99.5 > 200 100 <u>></u> 83.7 87.5 91.3 93.7 94.0 95.6 96.2 96.4 96.8 97.0 97.0 98.1 98.9 99.9 00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 744

USAF ETAC JUL 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEL- AL CLIMATOLOGY BRANCH SCLFETAC AI: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 HECTOR APT FARGO NO

73-80

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEIL NO							V15	Bility 57/	ATUTE MIL	E5						
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≳ 3	≥ 2 1⁄.	≥ 2	≥ . ½	≥1%	≥,	≥ ¾	≥ %	≥ %.	≥ 5/16	≥ ′₄	≥0
NO CEIUNG ≥ 20000	7°•3	40.4		41.2 45.9			41.6 46.4	41.6 46.5		41.7	1 - 1		41.9	42.0 46.9	42.2 47.1	
≥ 18000 ≥ 6000	42.0	45.3	45.9	46.4	46.6	46.7	46.9	47.0	47.0		47.1	47.1	47.3	47.4	47.6 47.6	47.7
≥ 14600 ≥ 12000	43.	46.6	47.1	47.6	47.8	47.9	48.2	48.3	48.3		48.4	48.4	48.6 50.3	48.7	48.8	49.0 50.6
20000 ≤	40.7	51.8	52.4	52.9	53.2	53.3	53.6	53.7	53.7	53.7	53.8	53.8	54.0	54.1	54.3	54.4
≥ 8000 ≥ 7000	51.5	54.8		56.2	56.5	56.0	56.9	57.0	57.0		57.2	57.2	57.4	57.5		57.3
≥ 4000	53•3 √5•0	58.5		60.1	60.5		61.0	61.1	61.1	61.1	61.2		61.5	61.5	61.7	
≥ 5000 ≥ 4500	50.3 57.1	51.1				62.3			64.0	62.9		$\overline{}$	63.2	64.4	64.6	
≥ 4000 ≥ 3500	59 g	64.2					67.6			66.9					67.5 68.5	67.6 68.6
≥ 3000 ≥ 2500	+1.2	66.2	67.3 69.6			69.5	70.0			70.3		70.4			73.8	
≥ 1800	65.		72.1 73.4			75.2 76.6	75.9			76.4		76.5 77.9	-		76.9	
2 1500	67.3	73.8		77.4	78.7	79.0	79.9	80.3	80.3		80.7	80.7	83.9	_		51.3
≥ .000	69.2	76.6	78.9 79.8	81.0	82.7	83.3	84.5	85.1	85.1	85.5	85.8	85.9	86.1	86.2	86.3	86.5
≥ 900 ≥ 800	75.1	78.1	80.7	83.0	85.0	85.7	87.0	87.7	87.8	88.4	88.8	88.9	89.2	89.2	69.4	89.6
≥ 700 ≥ 600	70.8	78.7 79.5	82.4	85 . u	87.3		89.6	90.4	90.5		91.6	91.7	92.1	92.1	92.5	92.6
≥ 500 ≥ 400	71.1	80.0	83.5	86.5	89.2	90.3	90.9 92.1	93.0	93.0	93.8	94.3	94.4	94.8		95.3	95.6
≥ 300 ≥ 200	71.2 71.2	80.4 80.4	83.8	87.1	9C.4	91.4	93.7	94.8	94.9		96.9	97.3		97.9	98.5	98.8
> 100 2 0	71.2 71.2	80.4 80.4	83.8 83.8			91.6 91.6		1							_	99.7 100.5

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 5952

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLETE

LLTAL CLIMATOLOGY BRANCH TYPLTAC 4: EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 .. 14

HECTUR ART FARGO NO

STATION NAME

73-81

ALL

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
ALL
HOURS (L.S.T.)

CELNO							vi\$	B LITY ST	ATUTE MIL	ES						
(#88")	≥:0	≥6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥ . ⅓	≥1%	≥1	≥ ¾	≥%	≥ v:	≥ 5/16	2 4	≥c
NO CEIUNG ≥ 20000	2.0 57.2	53.3 59.8		53.9 59.4		54.1 59.7	54 • 2 59 • 8			54.3 59.9				54.4 60.1	54.5 60.1	54.5 60.2
≥ 18000 ≥ 18000	57.5 57.6		1		59.9 60.0	60.0 60.1		60.2 60.3		60.3 60.3	_	60.3 60.4	1	60.4 60.5	60.5 60.5	60.5 60.6
≥ 14000 ≥ 12000	58.4 UC.3	62.3		60.8	-	61.0	61.1		_	-		61.3		61.4	61.5	61.5
≥ 9000° ≥ 9000°	∪3.5 65.0	65.4	65.8	66.1	66.3		66.6	66.6		66.7	66.8	66.8	66.8	66.9	66.9	67.0
≥ 800C ≥ 700C	06.2 68.3	68.3		69.1	69.3		69.6	69.6	69.6	69.7	69.8	69.8	69.9		69.9	70.0
≥ 6000 ≥ 5000	69.9	72.2		73.1	73.3		73.6	73.7		73.8	73.9		73.9	74.0	74.0	74 • 1 75 • 9
≥ 4500 ≥ 4000	72.1	74.8		75.8	76.1	76.2	76.4	76.5	76.5 78.4	76.6	76.6	76.6		76.9		76.9
≥ 3500 ≥ 3000	74.5	77.4		78.6		79.1	79.3	79.4	79.4	79.5	79.6	79.6		79.7	79.8	79.9
≥ 2500 ≥ 2000	76.1		82.4	83.1		83.7	84.0	84.1		84.3	84.3	84.3	84.4	84.5		84.5
≥ 1800 ≥ 1500	3C.7	84.7		86.5	87.0	87.2	87.6	87.7	87.8 89.6	87.9	88.0	88.0	88.1	68.1	ø8 <b>∙</b> 2	88.3
≥ 1200 ≥ ,000	82.9 3.6	87.6		89.7	90.4		91.2	91.4	91.5	91.7	91.8	91.3	91.9	91.9	92.7	92.1
≥ 900 ≥ 800	ε4 • 0 ⊬4 • 2	89.2	90.4	91.6	92.4		93.4	93.7		94.1	94.2	94.3		94.4	94.5	94 • 6 95 • 3
≥ 700 ≥ 600	54.4	89.9	91.3	92.5	93.4		94.6	95.0	95.0	95.4	95.6	95.6	95.8	95.8	95.9 96.7	96.5
≥ 500 ≥ 400	84.7 84.7	90.5		93.5	94.5		95.9	96.3		96.9	97.1	97.1	97.3	97.4	97.5	97.6
≥ 300 ≥ 200	84.7 84.8	90.7	92.3	93.9		95.7	96.7	97.3		98.0	98.3	98.3	98.6	98.7	99.8	99.5
> 100 > 0	84 • 8	90.7	92.4	94.0	95.2		96.9	97.5	97.6	98.3	98.6	98.7	99.1	99.2	99.5	99.8

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PART D `

### SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

1/10 and 4/10 into the 3/10 (scattered) category 5/10, 6/10 and 8/10 into the 9/10 (broken) category 0/10 is the clear category 10/10 is the overcast category

£.7

SELEAL CLIMATOLOGY FRANCH LIAFETAC ATH WEATHER SERVICE/MAC

**SKY COVER** 

14714 HECTOP APT FARGO NO STATION NAME

-81

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
1 <u>8.</u>	20-02	33.0			13.2					! <del> </del> -	11.4	42.4	5.7	74
	- 25-د:	33.3			11.6					ļ 	8.5	46.6	5.8	72
	26-08	27.3	<del></del>		15.1		<del></del>				11.0	47.5	6.1	73
	n9 <b>−11</b>	16.7			18.8				! <del> </del>		14.6	49.9	6.9	73
	12-14	17.3			16.5					<u> </u>	16.1	50.1	7.0	74
	15-17	15.4			21.8					-	15.9	46.9	6.8	73
	15-20	24.9			17.9			<u> </u>			10.5	46.6	6.1	74
	21-23	32.8			13.4	·					8.4	45.3	5.7	
101	TALS	25.1	<del></del> -		16.0						12.1	46.9	6.3	585

USAFETAC JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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OLCHAL CLIMATOLOGY BRANCH OSAFETAC AT: REATHER SERVICE/MAC

**SKY COVER** 

14914 HECTOR APT FARGO ND
STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF
E <b>E</b> 2	00-02	30.9	<u> </u>		14.0		<del> </del>				12.0	43.1	5.8	67
	03-05	26.2		ļ	14.3	<del>-</del> -					14.5	44.2	6.2	6
	::6 <b>-</b> 38	21.5			14.7						19.1	44.7	5.6	6
	29-11	15.4			15.7						17.9	51.0	7.2	6
	12-14	41-5		ļ	20.8						15.7	51.9	7.2	6
	15-17	3.5			23.1						17.9	50.6	7.4	6
	16-2G	15.2			22.7						16.2	45.9	6.7	6
	:1-23	27.8			17-0						11.4	43.8	5.9	6
										_				
101	TALS	19.7			17.8	<del>=</del>					15.6	46.9	6.6	53

CLERAL CLIMATOLOGY BRANCH EFACTAC AID FEATHER SERVICE/MAC

**SKY COVER** 

14914	HECTOR	API	FARGO	NO
STATION			STATION	NAME

74-81

PERIOD

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
	{L.S.T.}	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
<u>44^                                   </u>	00-02	33.1			16.3			ļ			10.2	40.5	5.5	
	<u> ۵۵-ده</u>	30.4		<u> </u>	15.1			ļ <u>-</u>			10.5	44.1	5.8	74
	C6-08	20.9			18.2						14.0	46.9	€.5	74
	-y-11	15.4			16.2						18-1	49.3	7.0	74.
	1:-14	12.0		ļ	18.7				ļ		19.7	49.6	7.3	74
	15-17	10.7			21.7				-		18.5	49.1	7.2	74
	16-20	14.1		ļ	26.1			ļ	-		17.9	41.9	6.6	74
	71-23	30-2			19.3				ļ		10.6	39.9	5.5	74
	-													<del></del>
								<del>                                     </del>						
10	TALS	21.3			19.0						14.9	45.2	6.4	594

LL-TAL CLIMATOLOGY BRANCH C AFETAC AT REATHER SERVICE/MAC

**SKY COVER** 

14 914 HECTOR APT FARGO NO STATION NAME

74-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN	TOTAL
MONTH	(£,\$.T,)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO OF OBS.
AP.	00-02	33.5			15.6						11.0	39.8	5.4	71
	23-05	27.5			18.2		ļ <del></del>		<del> </del> -	ļ	13.3	41.5	5.9	71
	36+38	19.7			19.0						14.9	46.4	6.5	72
	09-11	17.3			19.3						12.4	51.0	6.8	71
	12-14	13.5			17.0		ļ				18.0	51.5	7.3	71
	15-17	11.9		-	17.7				ļ		19.7	50.7	7.4	71
	1 = 20	12.1			21.0				ļ		19.0	47.9	7.1	72
	21-23	24.6			21.7						15.3	38.5	5.9	72
_		-												
101	TALS	23.0			18.7						15.5	45.9	6.5	574

SEE AL CLIMATOLOGY BRANCH LFETAC

**SKY COVER** 

AT DEATHER SERVICE/MAC

14914	HECIOR	API	FARGO NO
STATION			STATION NAME

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO OF OBS
ie Y	<u> </u>	32.0			19.1						14.2	34.7	5.3	74
	<u> </u>	25.8			22.3						17-1	34.7	5.7	74
	-6-D8	17.5			23.8						17.7	41.0	6.4	74
	3y <b>-11</b>	15.7			20.8						19.2	44.2	6.8	74
	12-14	10.1			24.5	-					22.0	43.4	7.1	75
	15-17	7.9		ļ	25.2						27.6	39.3	7.2	
	10-23	8.8		<u> </u>	26.7						24.4	40.1	7.0	74
	21-23	12-1			28.6						18.6	33.6	5.9	
											ļ			
								<del> </del>			-			
			<del></del>								<del> </del>			
101	TALS		<del></del>											

2

GLERAL CLIMATOLOGY BRANCH - SAFETAC AIR MEATHER SERVICE/MAC

**SKY COVER** 

14914	HECTOR	APT	FARGO	ND
STATION			STATION	MAM P

73-80

PERIOD

JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER	!			MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
אניר	20-02	30.4		ļ	25.6			ļ			16.2	27.9	5.0	711
	23-05	19.9	_ <del>_</del>	ļ	31.0			<del> </del>	<u> </u>		18.1	31.1	5.7	71
	D6-08	16.4			26.3	·		1			22.5	34.9	6.3	72
	29-11	14.0		ļ	28.8					ļ	23.9	33.3	6.3	72
	12-14	6.5			31.9					<u> </u>	28.3	33.8	5.9	72
	15-17	5.4		ļ <u>-</u>	37.2						25.1	31.3	6.5	72
	12-20	12.2			36.7				<u> </u>		25.8	25.3	5.0	72
·—.	21-23	20.4			34.2						20.0	25.4	5.4	72
											-			
	<del> </del>									<del> </del>				
, <u>.</u>	-			-	+						-			
101	TALS	15.7		-	31.5						22.5	30.4	6.0	575

USAFETAC FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

LL. SAL CLIMATOLOGY PRANCH CORFETAC AL REATHER SERVICE/HAC

**SKY COVER** 

14914 HECTOR APT FARGO NO STATION NAME

PERIOD

JUL

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN	TOTAL
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF	NO OF OBS
_اناه	:n-32	39.5			25.8			ļ	<u> </u>		17.3	17.3	4.1	74
	23-05	32.3			27.6						20.6	19.4	4.6	74
	26-38	21.3			31.4						24.3	23.3	5.5	74
-	25-11	17.3			33.3			<u> </u>			24.7	24.8	5.7	74
<del></del>	12-14	12.1			38.4						29.8	19.6	5.8	
	15-17	12.2			41.5			-			27.7	18.5	5.6	74
	16-20	18.5			42.7			! <del> </del>	ļ		22.6	16.1	4.9	. 74
	-1-23	27.6			36.2						20.7	15.6	4.5	19
			<u></u>											
ţ0	TALS	22.6			34.6						23.5	19.3	5.1	594

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SLUEAL CLIMATOLOGY BRANCH C'AFETAC ATH WEATHER SERVICE/MAC **SKY COVER** 

14-214 HECTOR APT FARGO ND STATION NAME

73-80

AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIH	(LST)	0	1	2	3	4	5	6	7	8	9	10	SAY COVER	>85 
<u> </u>	_a-a2	78.1			20.7				<u> </u>		14.9	26.2	4.6	74
	:i <b>-</b> 05	32.7			22.3						17.6	27.4	5.0	73
	-a-38	18-3			27.6			ļ	ļ		21.4	32.6	6.0	74
-	<u> </u>	15.2			31.2			ļ			21.9	28.7	5.8	74
	114	10.1			31.6		<u> </u>		ļ +	ļ	29.7	<u> </u>	6.5	74
	1:-17	18		l <del> </del>	27.9	<del></del>	<u>.</u>	•	·	<u>i</u>	23.9	27.4	6.0	7.4
	122	16.0	·		36.7		<del> </del>	<u> </u>	<del> </del>		21.8	25.4	5.6	74
	71-23	27.3		<u> </u>	32.3			<u>+</u>	<u> </u>		18.8	21.5	4_8	74
	; <del> </del>			, 	-			ļ <u>.</u>	<u>.</u>	<del> </del>	+			<del></del>
			- <u>-</u>		1			-						
			<del></del>											
101	TALS	21.4		-	30.0							27.2	5.5	593

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ELC AL CLIMATOLOGY BRANCH CAPETAC AZ MEATHER SERVICE/MAC

**SKY COVER** 

14914 HECTOR APT FARGO NO STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	P	9	10	SKY COVER	NO OF OBS
SEP.	<u>^0-02</u>	43.6			18.3			<u> </u>			11.7	26.4	4.2	71
	3-05	43.4			17.2					<u> </u>	12.3	27.2	4.3	
	80-62	23.0			24.1						20.9	31.9	5.8	71
	29-11	23.4			26.8					ļ 	17.0	35.7	5.9	71
	1:-14	15.1			28.3			1			21.9	34.6	6.3	72
	1:-17	15.7			31.3			<u> </u>			24.2	28.9	6.0	72
	14-25	21.9		ļ	32.1			 <del> </del>			20.3	25.7	5.4	72
<del></del>	21-23	38.1			22.4						13.4	26.1	4.5	71
				-										
ro1	TALS	27.7			25.1	<del></del>					17.7	29.6	5.3	574

3)

SECRAL CLIMATOLOGY BRANCH CASETAC AIS JEATHER SERVICEZMAC

**SKY COVER** 

14-914 HECTOR APT FARGO ND STATION NAME

3-80

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CI

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	GBS
ie <b>T</b>	36-02	34.5		ļ	16.7			!			11.5	37.3	5.3	74
	25-05	35.4		ļ	16.7			ļ	<u> </u>		10.2	37.6	5.2	74
	35-38.	21.2			24.1			ļ			16.7	38	2.3	74
	29-11	15.3			24.2				<u> </u>		16.8	41.7	6.6	74
	12-14	12.1			23.9			ļ			24.8	42.2	7.1	74
	15-17	12.0		<u> </u>	22.7			! <del> </del>	!		23.7	41.6	7.0	74
	120	19.7			24.1			<u> </u>	<u> </u>		18.0	38.2	£.2.	74
	-1-23	30.6	<del></del>		17.2			[ 			16.C	36.2	5.6	74
											<del> </del>			•
						<del></del>			ļ		ļ			
to	TALS	22.6			23.8				·		17.5	39.1	6.1	594

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SELEMAL CLIMATOLOGY BRANCH

A SETAC SERVICE/MAC

**SKY COVER** 

STATION HECTOR APT FARGO NE

PER: OD

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
NO.	:a-a2	29.7	<del>-,</del>	<b> </b>	13.7				! !		12.4	44.2	6.3	71
	-3=0 <b>5</b>	28.4		ļ	15.1	<del></del>				ļ	10.1	45.4	6.6	71
	26-18	19.8			17.0						15.6	47.5	5.7	71
	39 <b>-11</b>	12.8			18.5						16.3	52.4	7.3	71
	12-14	14.3			17.6			! <del> </del>		<u> </u>	21.0	47.1	7.1	72
	15-17	14.7			19.2			ļ 	•	ļ <del> </del> ———	19.3	47.5	7.1	72
	1=-23	21.3			21.7			ļ 	ļ 		12.5	44.4	6.2	71
· · · · · · · · · · · · · · · · · · ·	21-23	25.7			15-1						9.8	46.4	6.0	71
								-						
	<u> </u>				<u> </u>	· <del></del>								
101	TALS	1.1			17.2				<u> </u>		14.5	47.0	6.6	573

USAFETAC JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS "ORM ARE OBSOLETE.

CLISAL CLIMATOLOGY BRANCH UNAFETAC ATT REATHER SERVICE/MAC

**SKY COVER** 

14 314 HECTOR APT FARGO NO

PER OD

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN !	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
מוכ	26-32	2:2			11.5				<u> </u>		10.6	<u> 1.5</u>	6.5	13
	3 <b>-</b> _05	25.2		<del> </del>	13.8				-		9.1	51.9	6.4	73
	16-38	20.5		ļ	12.7		ļ				11.7	55.1	6.9	74
	29-11	13.5		 <del> </del>	13.5			<del> </del>	ļ	!	14.8	58.2	7.6	74
·····	12-19	12.2			12.9		! <del> </del>	ļ	ļ		16.1	58.7	7.7	74
	1:-17	11-1		<u> </u>	16.4		<u> </u>	•	ļ		15.2	57.3	7.6	74
	12-20	21.4		<u> </u>	16.8	<del></del>		ļ	ļ		9.7	52.2	6.6	74
	~1-23	26.3		-	11-1	<del></del>			!		9.1	53.5	6.5	73
			<del></del> -	-										<u>-</u>
						· · · · · · · · · · · · · · · · · · ·		<del></del>						<del></del>
			<u>.</u>											
ro	TALS	13.6		<del> </del>	13.6	<del></del>					1.2	54.8	7.0	591

TE HAL CLIMATOLOGY BRANCH TETAC AT HEATHER SERVICE/MAC

**SKY COVER** 

17/14	HECTOR	APT	FARGO NO
STATION			STATION NAME

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN !	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
ie.	<u>ál L</u>	25.1			16.0			ļ			12.1	46.9	6.3	589
lEs.		19.7		ļ	17.8			ļ			15.6	46.9	6.6	539
· 4 i-		21.0		ļ	19.0						14.9	45.2	6.4	594
غP:		مدد	<u> </u>	ļ	15.7				ļ	-	15.5	45.9	6.5	574
<u></u>		17.1			23.9			<u> </u>		<u> </u>	20.1	38.9	6.4	594
ــــــــــــــــــــــــــــــــــــــ		15.7		ļ	31.5					ļ	22.5	30.4	6.0	575
المال		22.6		ļ	34.6			<u> </u>			23.5	19.3	5.1	594
<u> </u>		21.4		ļ	30.0			<u> </u>			21.3	27.2	5.5	593
SEP		27.7			25.1						17.7	29.6	5.3	5741
021		22.6			27.8	<b>_</b>					17.5	39.1	6.1	594
NOV		-1-1			17.2						14.6	47.0	6.6	573
DLC		19.6			13.6						12.1	54.8	7.0	591
tot	TALS	71.1			22.4						17.3	39.3	6.2	6989

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART E

### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

MOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from bourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2- Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: Tas following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Walues for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

E - 1

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus vet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

1 BAL CLIMATOLOGY RRANCH

### **DAILY TEMPERATURES**

STATION SERVICE/MAC

- PETHER SERVICE/MAC

- PECTOR APT FARSE NO 45-64: 66-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

_	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT .	NOV	DEC.	ANNUAL
	 س خدا گ								2.					
	پ فيند				<u>• 1.</u>			• 5.	1Q.					
	7	٠			4	4	1.9.	4.9.	5.8.	1.5.				. 1
	٠				• 3.	2.1	6.9.	17.3.	17.2.	4.7.	2.			4.
	39 .				1.3.	7.9.	19.9.	41.9.	36.1	11.5.	1.3.			10.1
	25.				3.0.0.	17.9	40.6.	70.0.	59.4	21.0.	4.2.			18.1
	7.5			• 2.	5 • 5	29.7	61.6	88.2	79.6	35.1.	9.2.			25.
	7			_ 3	11.0	45,7	81.1	96.8	91.5	52.7	17.6	. 4		33.
	ე\$		• 1	1.3	19.9	63.2		99.6	97.5	69.6	29.4			39.1
	64			2.8	31.1	76.4	98.5	99.8	99.4	84.9	44.5	4.1	•	45.
	· 5		. 3	5.7	42.9	86.9			100.0				• 2	49.
	آ نَيْ ۽	• 1	1.1	10.8	58.1		99.8						. 4	54
	4.	. 3	2.5	17.5		97.6				99.6			1.6	5 <u>8</u> .
	4;	1.6	5.0	29.2		99.6					93.5		6.0	63.
	3	6.5		48.8	91.1					*****	97.7		14.6	69.
	<del> </del>	15.3	28.9	65.1	97.6					•	99.9		28.6	75.8
	7.	26.5		76.4		100.0					100.0		47.4	81.
	<u> </u>	78.8		86.1	99.8						10010,	91.7	56.1	85.
	15	49.6							-	-	•	96.2	69.2	
	iá "	59.4									•		79.1	
	., <u>.</u>	69.9										99.1		
		52•2		99 6		+	+		·	•			87.C	
			27.4	99.6								99.6	94.1	97.
		21.1									•	100.0	71.7	98,
	<del></del>	95.8		100.0										
	<u></u> *	<u>.                                  </u>		+										
	i a za zagi 🏰	99.8				<del></del>	<del>-</del>			+			100.0 "	
	. <del>- 2 r</del>	100.0											<del>-</del>	100.
				+				,						
	•												· - · · ·	
				+										
				· <del>-</del>										
					: 									
		·		masaan 🛊			; 		·		*	· · · · · · · · · · · · · · · · · · ·		
	MEAN	13.0	20.4	33.5	52.8	68.0		82.8	81.3	70.6			20.9	51.
	\$ D.	1 145		12.8651	3.504	1.599	8 . 559					2.6611	2.983	26.97
	TOTAL OBS	: 23	932	1023	990	1023	960	992	992			960	992	11339

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### **DAILY TEMPERATURES**

AL CLIMATOLOLY BRANCH .TAC FATHER SERVICE/MAC 1 HECTOR APT FARGO ND STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (*F)	JAN.	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL
								• 1.				·	•
15 L			,				<u>• 5</u> ,	•5.					. •
**						1.1.	4.1	3.2	• 3.			-	
- <del></del>				-	•6.	6.7	19.5	13.3	<u>. 2.8</u> .				. 3.
				•	4 • 4.	24 • 3.	4 <u>5.8</u>	36.8	8.3	. <u>. • 3</u>			10.
. 5				• •	12.2	46.5	74.8	<u>61•7</u> ,	17.0	<u>2.0</u> .			17.
· .		•		3.0,2	24.9	72.3	91.6	84.7	36.1	7.5.			26.
4 5 _				<u>ē • 9</u>	44.5	88.4	98.1	9 <u>4 • 3</u> .	57.4	15.0	1.0		33.
47	•		. <u> §</u> .	20.0	64.9	96.7	99.7	99.5	78.6	- <u>31.1</u> .	2.6		41
4£ .		<u>•</u> .5.	3.9	34.2	81.0	99.7	100.0	99.9	91.1	<u>51.3.</u>	6.5	. •1 .	47
3	<u></u> _		7.4	44.7	85.5	99.9		100.0	94.7	59.9	<u> 10.5</u>		50
*** 		2.5	15.2	61.1		100.5			97.4	73.8	20.0	. <u>1</u> • 7	55
	1 • 4	3 • 3	30.9	81.8	98.1				99.7	89.4	38.3	6.•2	62
•	5.1	14.2	45.0		100.0				100.0	96.0	55.6	14.8	68
<del>  -  </del> -	7.7	20.9	56.0	96.1						98.7	71.4	26.1.	73
	17.7	32.5	67.6	98.5						99.8	$\frac{81.7}{22.3}$	36.8	77
· · · · · · <del>· · · · ·</del>	27.6	42.2	77.6	99.3		•				100.0	89.3	49.6	82
· <del>-</del> + -	3:4	53.8	85.7	99.8	•						93.6	61.3	86
- <del>-</del> -	49.6	66.0	91.4	99.9							. <u>96.9</u> .	72.5	89
-1.	$\frac{61.1}{77.5}$	76.2	95.1	130.0		•				· · · · - •-	98.6	82.6	92
-1 <u>:</u> ,	73.5	96.4	98.3									$\frac{91 \cdot 1}{2}$	95
<u>?3</u>	85.6	93.5	99.3						· · · ·		99.9	9 <u>6 • 8</u> 98 • 5	99
-25	$\frac{93.5}{0.9}$	98.J	99.7					•		· - · · · ·	100.0	99.8	99
 -3.1	98.2	99.7	99.9	·								100.0	122
 -35	100.0	100.0	100.0						·· - · <del>-</del>			100.0	100
	Trin • n	~ · -	+	<del>-</del>	<del></del>		·			· •		· · -· · · · · · · · · · · · · · · · ·	100
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	· · · · ·	- +											
MEAN		1.7	15.3	31.8	43.2	53.7	58.6	56.7	46.4	35.2	19.6	3.8	30
S. D. **	140.77	4 . 8 3 7	13.777	9.235	9.378	7.400		7.202	8.653	9.1431			24.1
TOTAL OBS.	1/12/2	932	1023	993	1023	962	992	992	960	992	960	992	1183

USAFETAC JUL 64 0-21-5 (OE 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L PAL CLIMATOLOGY PRANCH

**DAILY TEMPERATURES** 

STATION NAME

THE COLOR APT FARGE NO STATION NAME

46-64 66-31 YEARS

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

"LAN

 TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	oct	NOV.	DEC	ANNUAL
7			-					• 3.					. • • •
•						<u>. 2</u>	<u>.</u> 9.	1.3.			- 4		
•				<b>.</b>	.2.	2.3.	9 و غ	7.5.	1.5				1.1
75			_		2.7	11.1	25.4	24.2	5.1	• 2.		_	6.1
7 ,				. 6.	7.5	30.3.	59.3	48.5	13.3	1.0			13.4
· 5				2.3	13.9	54.1	86.2	73.9	24.5	3.5		• • •	21.9
- :	•	•	٠ 3.	5 • 3.	35.6	85.1							20
	• .	•	• 4	13.0	55.2	94.3							37.0
	•	. 1	1.2	24.3	74.7			100.0					43.
4	• .	. <b>2 4</b>	4.3	41.1	87.8		100.0		94.7			· - , -	40
7.	<del>"</del> ,	. <u></u>		- <del>14.1</del>		100.5.						<u>.</u>	
. آخت تو							-		99.1.		15.8.		54.
Σ	, • 5,		23.0.	77.8.	98.9.				99.9				. 60 ± 1
	<u>. 2•6</u> ,											<u>9•1</u> .	
	. 6.7		54.2		100.0			· <del>-</del> -+		<u>. 99.1.</u>	68.2		
	15.9		67.6	93.6						99.9			
1	27.1	44.5	78.0						نجس بند دا				91.
13	<u> 33.8</u>	54.4									93.6	59.3	86.
2	51.2	<u>66.0</u>	92.6	100.0							97.C.	71.7.	89.
±	\$ 59.4	76.5	96.7								96.5		
5	71.4	37.3	98.8						•		99.3	89.1	95.
-10	84.2	93.9	99.8		_ i							96.1	
-15	32.5	98.1	99.9								150.0		
-2:	97.6											99.8	
-25		100.0							· +			100.0	
	100.0								•	+	+		100.
	# 2.29 <u>29</u>	†	+							•	•		
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MEAN	4.4	11.1	24.6	42.5	55.8		71.0		58.7			12.5	43.
5. D.	15.793	13.784	12.7231	548	9.521	7.182	6.094	7.037	8.985	9.835	11.591	3.286	25.34
TOTAL OBS.	123		1023	993	1023	963	992					99.	11539

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLUPAL CLIMATOLOGY BRANCH SCAFETAC ATT MEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION MECTOR APT FARGO NU STATION NAME

48-64, 66-81

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
4 :	37	33	48	76	92	94	101	100	95	78	54	43	10
49	4.1≠	3.2	41	85	88	94	98	101	86	79	65	40	10
50	27	34	42	68	87	99	94	95	91	78	68	37	9
51	35	38	43	79_	86	85	93	94	85	84	48	42	9
5.2	4.1	38	44	90	92	98	95	97	96	72	63	4 J <sub>i</sub>	9.
53	38_	4.1	53	73	86	91	95	98	89	90	7.1	43	. 9
54	36	43	49	77	8.3	9 2	99	93	86	70	68	40	9
5 <b>5</b>	35	36	60	82	93	91	9.7	99	91	86	56	36.	9
56	36	34	46	69	83	99	88	95	92	84	62	49	9
57	36	40	60	35	84	86	98	93	83	0.8	54	4.5	9
<b>5</b> 8	49	66	57	80	91	90	93	191	87	83	63	42	10
59	33	38	58	78	97	99	98	100	102	75	45	45	10
60	38	38	48	76	88	8 9	100	94	99	83	58	38	10
61	39	46	67	72	90	95	95	99	91	89	59	41	. 9
62	40	40	43	88	87	91	86	97	89	86	59	5 7	9
63	44	51	77	79	88	96	99	97	88	93	62	43	9
64	46	48	56	81	98	98	96	96	90	80	67	31	9
6 <b>6</b>	23	37	60	7.0	87	96	95	91	89	85	47	41	9
67	37	42	78	65	86	89	93	94	88	83	60	5 2	9
68	39	33	73	85	86	97	95	99	89	80	54	37	9
69	32	35	37	69	95	77	95	95	89	71	61	5 3	9
70	3 <b>3</b>	38	42	75	8.7	95	98	96	93	84	54	41	9
71	32	39	59	80	86	90	87	96	95	70	56	36	9
72	38	36	5.2	7d	91	92	96	95	91	78	54	33	9
73	38	40	60	78	82	92	95	96	77	74	59	35	9
74	32	40	43	78	81	91	99	90	90	83	59	46	9
75	36	35	52	60	82	86	100	90	83	87	7 d	46	10
76	36	51	58	83	85	95	100	106	99	85	59	44	10
77	30	46	60	85	90	91	97	82	82	72	57	35	9
78	29	32	5 a	71	86	87	94	96	99	79	7.1	36	9
MEAN								Ţ		i		I	
S. D.													
TOTAL OBS													

NOTES # (BASED ON LESS THAN FULL MONTHS)

FORM O-86-5 (OLA) I (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

SLIPAL CLIMATOLOGY BRANCH SEAFETAC AT FEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM PAILY OBSERVATIONS)

STATION HECTOR APT FARGO NO STATION NAME

48-64, 66-81

FROM PAIL! OBSERVATION

### WHOLE DEGREES FAHRENHEIT

61 52 53 66 77 84  MEAN 36-4 40-0 53-9 77-2 87-9 92-2 95-7 95-7 90-4 80-5 59-3 41-7 9	MONTH"	JAN.	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
MEAN 36.4 40.0 53.9 77.2 87.9 92.2 95.7 95.7 90.4 80.5 59.3 41.7 9											69			9
MEAN 36.4 40.0 53.9 77.2 87.9 92.2 95.7 95.7 90.4 80.5 59.5 81.7 9								102	9.3	92	85	59	4.3	10
	61	52	5.3	66	77	84			!				:	
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							}							
<u> </u>					77.2	87.9	92.2	95.7	95.7	90.4	80.5	59.3		98,
		6.190				4.253	4.824	3.829	4.223					2.47 1183

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OLA) # (AT LEAST ONE DAY LESS THAN 24 OBS)

V5.7

BLUFAL CLIMATOLOGY BRANCH SAFETAC AT- WEATHER SERVICE/MAC

### **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1 14 HECTOR APT FARGO NO STATION NAME

48-64 66-81 YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP	ост	NOV.	DEC	ALL MONTHS
43	-34	-27	-34	8	30	42	50	47	40	16	1	-22	-3
49	-25₁≉	-24	-10	20	28	_ 36	47	44	26	_17	2	-18	
50	-32	-30	-21	10	30	37	42	37	40	21	-9	-28	- 3
51	-36	-29	-18	20	30	39	43	44	25	5	-12	-26,	. <u>-3</u>
5.2	-32	-13	-22	21	26	40	44	44	33	13	-1	-4	- 3
5.3	-17	-12	-6	9	25	33	47	51	32	24	13	-27	2
54	-33	- 8	-2	1	24	39	43	44	31	23	3	-6	-2 -3
55	-18	-26	-18	26	22	45	5 <i>2</i>	43	29	13	-12	-27	-2
5 c	- 71	-26	-17	16	28	3 5	49	42	27	21	-2	-19	- 2
57	-27	-19	-3	10	28	39	53	45	28	18	1	-16,	2
5 e	-16	-23	10	14	20	37	49	44	3 <b>3</b>	26	-16	-14	-2
59	-20	-24	1	18	27	43	47	5.0	28	24	-6	5	-2
60	-21	-17	-18	1 4	26	37	44	40	31	21	-12	-31	- 3
51	-27	-12	12	12	2q_	43	45	42	24	21	4	-21	-2
62	-31	-34	-23	1 1	32	42	45	49	31	1 🕏	9	-14	- 3
63	-27	-22	-6	8	21	40	48	44	34	24	2	-28	-2
64	-22	-13	-11	15	31	34	45	3.3	28	18	-22	-24	-2
5 <b>6</b>	- 3 <b>3</b>	-31	-18	11	20	35	52	44	29	17	-4	-20	- 3
67	-27	-26	-15	13	21	36	35	40	24	16	-5	-32	- 3
<b>6</b> 3	-33	-18	-1	11	30	39	42	35	35	24	9	-28	-3
69	-27	-25	-15	10	24	30	41	45	33	14	2	-10	-2
<b>7</b> 8	- 32	-26	-7	13	26	41	41	4.2	3 <u>q</u>	25	-1	-2ú	- 3
71	-33	-26	-2	15	30	4 5	39	40	27	24	7	-18	- 3
72	-33	-27	-18	17	27	38	41	38	32	10	-4	-26	- 3
73	-31	-19	18	9	21	39	43	47	26	26	3	-27	-3
74	-28	-33	-11	21	27	41	48	42	23	24	5	-2	- 3
75	-14	-23	-11	-7	31	4 1	47	44	34	26	- 1	-18	-2
76	-24	-19	-15	26	21	41	43	46	27	7	-13	-29	-2
77	-35	-19	0	16	30	46	49	42	40	23	-19	-26	-3
7υ	-24	-21	-16	22	33	37	4.8	4.2	39	21	-14	-23	-2
MEAN													
S. D.		I	I								1		
TOTAL OBS											1	i	

NOTES \* (BASED ON LESS THAN FULL MONTHS)

FORM 0-88-5 (OLA) # (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

GLOSAL CLIMATOLOGY BRANCH USAFETAC AIN REATHER SERVICE/MAC

### **EXTREME VALUES**

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

1 14 HECTOR APT FARGO NO STATION NAME

48-64. 66-81 YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост	NOV.	DEC	ALL MONTHS
79	-28		-12							17		_	-29
9.3		-26			26	43	46	46	28	17	11	-19.	
3 <b>1</b>	-17	-21	2	12	24								
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MEAN	-26.5	-22.5	-10.0	13.4	26.2	39.1	45.6	43.2	30.5	19.2	-2.7	-19.8	-29.3
5. D.	6.047	6.476	11.178	7.089	3.879	3.626	4.030	3.936	4.579	5.492	8.873	8.908	3.970
TOTAL OBS	1023	932	1023	990	1023	960	992	992	960	992	960		11839

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

SLUFAL CLYMATOLOGY BRANCH SHFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMAR**

HECTOR APT FARGO ND 14514 74-81 JAN STATION NAME PAGE 1 0000-020 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 +31 D.B. W.B. Dry Buib Wet Buib Dew Po (F) 3-1 33 2 2 • 3 2/ 31 -3 1-1 11: 727 29 13 1.2 17 17 21/ 27 1.3 • 9 17 17 21. 77 25 2.0 20 20 12 24/ 23 • 5 15 15 1.5 22. 21 2.4 24 24 27 • 8 1.9 . / 1º 1.9 28 28 24: 1:7 17 22 22 2.0 26 1// 15 1.1 2.2 24 18 1-/ 13 2.3 2.3 34 34 33 12/ 11 3.9 1.3 39 39 4.3 2.0 2 D 20 7 1 . 3 1.9 24 24 15 3.1 2.8 44 44 .9 4.9 43 43 38 5.0 45 45 1.1 41 / -1 3.1 27 27 37 • 5 - 3 2.8 25 26 28 --/ -5 1.8 • 1 14 14 14 -- / -7 3.8 28 28 --/ -9 4.3 32 32 32 30 -1./-11 4.0 30 30 -1./-13 -1-/-15 1.8 13 13 13 49 6.6 49 -1-1-17 13 13 13 -1-/-19 36 36 4.9 -26/-21 19 19 19 - 2/-23 1.5 11 11 11 -24/-25 7 3 -2:1-27 -: /-29 - 167-31 - - 2/-33 21 Element (X) ZXI No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F ± 32 F ≥ 67 F ≥ 73 F ≥ 93 F Total

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OB!

SAFETAC FORM

Dry Bulb Wet Bulb Dew Point FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

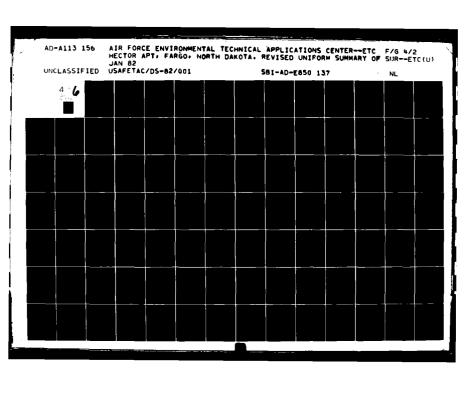
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HECTOR APT FARGO ND

# **PSYCHROMETRIC SUMMAI**

STATION				5	TATION P	IAME		<del></del>	<del></del>					YE	ARS		PAGE	2	0000-02 Holds 1.5.
Temp.						WET	BULB	TEMPE	RATUR	E DEPR	ESSION	( <b>F</b> )					TOTAL		TOTAL
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	5 17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 2 31	D.B. W.B. Dry	Bulb	Wet Bulb Dew
-37/-35 -3-/-37				i										į i	i				
TIL	66.	32.9	-8		<del> </del>	<del>                                     </del>	<del> </del>	<del> </del>	+		<del></del>	<del> </del>	<del> </del>				•	744	
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Element (X)	Ž <sub>X</sub> ?	ZX	X	₹ X	No. Obs.			Mean No. o	f Hours wit	h Temperatu	ir•	
Rel. Hum.	4192713	54927	74.112		741	± 0 F	1 32 F	≥ 67 F	≠ 73 F	≥ 80 F	+ 93 F	Total
Dry Bulb	173354	2074	2.815	018	744	39.4	92.8					
Wet Bulb	163567	1857	2.514	654	741	40.9	93.0			1		
Dew Point	232613	-2623	-3.517	. 372	743	53.3	93.0					



# MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

SLUBAL CLIMATOLOGY BRANCH UNAFETAC ATH WEATHER SERVICE/MAC

14914

HECTOR APT FARGO NO

### **PSYCHROMETRIC SUMMARY**

JAN

STATION YEARS MONTH STATION NAME PAGE 1 0300-0500 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point (F) 72/ 31 - 4 3 3 'c/ **2**9 1.2 16 16 13 . 7 8 9 13 17 17 25 • 1 1.9 12 21 5 241 23 15 15 1.1 . 8 12/ 21 2.3 1.2 26 26 29 27 13 2.3 27 27 23 307 1.3 25 17 20 1 . / 1.9 2.3 31 31 26 15 1.2 50 20 25 26 1.5 13 2.0 33 33 22 28 . 9 23 1:1 11 4.2 38 38 52 9 1.9 1.6 26 38 31 31 30 7 32 7.0 1.2 5 2.0 2.3 32 32 36 19 3.8 27 4/ 3 35 35 29 4.7 41 41 40 12 1 4.7 -1 .7 40 40 45 16 29 29 30 -3 30 . 8 -5 25 25 29 42 3.4 -7 2.2 17 17 17 23 • 1 26 28 3.8 28 28 -11/-11 4.2 31 31 22 27 -1./-13 17 17 17 -14/-15 32 32 21 32 4 - 3 -10/-17 5.0 37 37 37 15 -1-1-19 23 35 23 23 1./-21 31 31 31 28 4.2 - 12/-23 1.8 13 13 13 -7-1-25 7 34 7 7 -201-27 1.1 8 8 8 21 - 7-29 2 2 2 21 - 0/<u>-31</u> 1 21 • 1 - 2/-33 20 1 -34/-35 ZX Element (X) T ·\* No. Obs. Mean No. of Hours with Temperature Rel. Hum. : 0 F ≤ 32 F € 73 F - 93 F Tetal Dry Bulb Wet Bulb Dew Point

74-81

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLEBAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

Temp.

HECTOR APT FARGO ND

74-81

JAN

MONTH

PAGE 2

G300-05C0

NOURS (L. S. Y.)

Temp.						WET	BULB	TEMPER	ATURE	DEPR	ESSION	(F)								TOTAL		TOTAL	
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USAFETAC FORM O.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC AI - REATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

14514 STATION

2

HECTOR APT FARGO NO

74-81

JAN MONTH

STATION NAME

YEARS

PAGE 1 0600-0800 HOURS (L. 5. T.)

WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 34/ 33 •1 • 3 72/ 31 12 U/ 29 12 1 201 27 8 8 8 1.1 26.7 5 5 5 6 24/ 23 2.0 29 29 20 10 27 21 19 19 17 1.2 1.4 20/ 19 2.0 1.5 26 20 26 24 17 1.9 30 30 30 25 1:/ 2.2 16/ 15 2.2 1.6 28 28 30 30 31 14/ 13 31 3.0 1.2 28 28 1./ 11 3.5 31 31 35 29 31 37 3.0 34 34 1.6 7 2.0 1.5 26 26 24 22 67 5 1.4 3.4 35 35 31 14 1.5 3.9 40 40 49 25 3 27 1.1 30 30 21 3.0 3.9 32 32 36 -1 16 -3 3.8 33 33 35 32 -4/ -5 4.2 32 32 33 37 . 1 2.0 15 15 16 15 --/ -9 3.2 24 24 24 34 -1 /-11 3.9 29 29 29 25 -1./-13 -14/-15 19 2.6 19 19 26 4,1 30 30 30 21 -1:/-17 36 36 36 -1 /-19 5.5 41 23 41 41 -. ./-21 3.1 23 23 23 22 33 -:2/-23 1.6 12 12 12 -24/-25 -21/-27 1.8 13 13 13 26 32 1.4 10 10 10 -36/-29 -36/-31 1 1 1 25 14 3 -12/-33 Element (X) Z Z 2 ZX X No. Obs. Mean No. of Hours with Temperature ≥ 73 F - 80 F Tetal Rel. Hum. 2 0 F ≤ 32 F ≥ 67 F \* 93 F Dry Bulb Wet Bulb Dew Peint

THIS FORM ARE OBSOLETE ö PREVIOUS EDITIONS ₹ ಠ 0.26-3

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE	
0.26-3 (OL A)	
USAFETAC FORM	

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# PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC

### PSYCHROMETRIC SUMMARY

AIR MEATHER SERVICE/MAC

1/914 HECTOR APT FARGO NU
STATION NAME

4-81

JAN

PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
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Wet Bulb								1								T					
Dew Point				T -		$\neg$												<del>,                                    </del>			

USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ot.B	AL	CLIMA	TOLOGY	BRANCH
. C. L. F	ETA	С		
AI	a E A	THER	SERVICE	Z/MAC

### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO ND 74-81

STATION STATION NAME YEARS

PAGE 2 0900-1100
HOURS (L. S. Y.)

Temp. (F)																					
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Element (X)		ZX'			ž x		X	ø,		No. O	bs.				Mean I	No. of H	ours wit	h Tempera	ture		
Rel. Hum.			9774		546	88	73.5	12.1	63	7	44	5 0 F		≤ 32 F	= 67		73 F	+ 80 F	- 93	F 1	Total
Dry Bulb			4065		20	23	2.7	14.6	09	7	44	39		92.1					1		93
Wet Bulb			6177		17		2.3	14.3	13		44	40		92.5				1	-		93
Dew Point			4180		-28		-3.9	14.0	32		44	54	- 4	92.9	$\vdash$	-		$\vdash$	+		93

THIS FORM ARE OBSOLETE ö PREVIOUS EDITIONS ã ಠ 0.26.3 108 V

Dew Point

GLURAL CLIMATOLOGY BRANCH USASETAC ATH WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 .. 9 1 4 HECTOR APT FARGO NO 74-81 1200-1465 PAGE 1 HOURS IL. S. T. Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 41/ 45 . 1 1 1 44/ 43 . 1 42/ 41 1 4./ 39 3c/ 37 .7 2 2 で/ 35 9 9 3 34/ 33 8 8 8 3 /2/ 31 . 8 . 7 15 15 11 8 20 10 10 10 8 2 1 27 1.6 19 19 18 2.6 21/ 25 . 4 • 1 23 23 16 12 24/ 23 2.4 29 29 38 16 12/ 21 2.2 1.6 28 28 34 19 26/ 19 2.3 3.4 43 43 38 44 1// 17 1.1 1.7 21 3 C 21 21 1.7 16/ 15 3.5 40 40 32 14/ 13 . 8 3.0 28 28 32 28 14/ 11 2.4 1.6 30 30 35 25 . 9 10/ 2.7 27 27 29 35 7 5.0 30 45 45 24 11 3.6 5 1 - 1 35 35 50 4/ . 8 4.2 3 37 37 40 27 . / 1 . 7 5.1 43 43 35 34 1 -1 2.0 24 1.2 24 24 28 -./ -3 2.4 1.1 26 26 29 35 --/ -5 4.2 35 40 35 37 -:/ -7 3.9 30 30 30 23 - / -9 36 37 36 26 -1 /-11 4.2 31 31 31 13 -1./-13 1.6 12 12 12 17 -1-1-15 2.8 21 21 21 33 -1:/-17 -1:/-19 2.7 20 20 20 30 11 11 11 39 1-21 24 Σ×, Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≈ 73 F ≥ 80 F Tetel - 93 F Dry Bulb Wet Bulb

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HECTOR APT FARGO ND

# **PSYCHROMETRIC SUMMARY**

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																		PAG	€ 2	1200	-14CJ
Temp.				*	-	WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL	T	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.S. W.S.	Dry Bulb	Wet Bulb	Dew Point
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-20/-27			-	_																	14
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Element (X)		Zx'			ZX		X	7,	<del>'                                    </del>	No. Ob	s.	<u> </u>			Mean t	No. of Ho	ours wit	h Tempera	ture		
Rel. Hum.			3790		539	22	72.5				44	± 0 ₽		≤ 32 F	≥ 67		73 F	→ 80 F	- 93	F	Total
Dry Bulb		18	4670			66	7.2	14.0	16		44	31	• 1	90.3				<u> </u>			93
Wet Bulb			7656			58	6.5	13.5	26		44	32	. 8	91.4		1					93
Dew Point		1.0	1778	<del>.                                      </del>		94		16.0			44	47		92.5		<del></del>		<del></del>	<del></del>		93

74-81

OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE ₹ ₫ 0-26-3 FOR Y USAFETAC

GLUSAL CLIMATOLOGY BRANCH J. LE ETAC AT: MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

10514 HECTOR APT FARGO ND 74-81 PAGE 1 1500-1760 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) 12/ 51 51/ 49 2 41/ 45 1 44/ 43 42/ 41 . 3 2 2 46/ 39 . 1 3 / 37 2 ₹ / 35 34/ .33 13 • 5 Q 9 72/ 31 1.7 . 1 18 18 8 29 1.5 17 17 22 11 19 1.5 2.1 27 • 1 19 20 19 1.1 . 1 14 21/ 25 2.4 27 23 27 2-1 23 2.8 . 8 31 31 30 18 21 2.3 221 31 31 35 18 19 1.7 2.4 31 31 32 31 26/ 1-7-17 1.2 3.0 33 33 31 36 2.7 1/ 15 29 32 32 1.6 32 .5 3.6 1.2 2.6 13 31 31 23 36 1./ 11 28 28 39 1.9 3.4 39 39 34 21 7 1.7 3.1 36 36 40 39 5 3.9 29 29 33 26 4.8 38 38 39 28 37 21 1 4.6 41 41 16 3.6 2.3 -1 44 44 40 21 -3 1.2 1.9 23 23 30 37 3.9 -5 1.3 39 39 41 41 3.5 3.2 -11 -7 34 27 27 24 • 1 --/ -9 24 24 25 17 30 30 30 30 -15/-11 -1./-13 1.5 11 11 11 18 -14/-15 3.0 22 22 22 34 -1:<u>/-17</u> 10 10 10 ZX Element (X) ≥ 67 F ≥ 73 F Rel. Hum. 1 0 F 1 32 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Ach	AL CLIMA	TOLOGY	BRANCH
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AT	*EATHER	SERVICE	ZMAC

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### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 14414 74-81 JAN STATION STATION NAME MONTH PAGE 2 1500-1700 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point -1-/-19 3 38 /-21 24 - 2/-23 15 -24/-25 18 -26/-27 12 -2 /-29 -3 /-31 2 3 - 72/-33 1 TOTAL 42.553.6 3.5 743 743 Element (X) No. Obs. Mean No. of Hours with Temperature 53588 267 F 273 F 280 F 293 F Rel. Hum. 3981042 72.112.507 743 = 0 F 1 32 F Total 8.613.875 Dry Bulb 198097 6407 743 29.4 89.6 93 7.813.366 90.5 Wet Bulb 178154 5820 743 31.0 93 190420 92.6 93 2

JL BAL CLIMATOLOGY BRANCH CAFETAC AT AEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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Rel. Hum.	$\Box$												± 0 F	$\top$	1 32 F	≥ 67 F	= 73 F	- 80 F	• 93 F	Te	otal
Dry Bulb	$\overline{}$													$\Box$							
Wet Bulb	,				1												1			1	
Dew Point	1				_												-				

USAFETAC FORM 71 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

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FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71
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JL AL CLIMATOLOGY BRANCH  JOHNSETAC  ATT REATHER SERVICE/MAC	PSYCHROMETRIC SUMMARY

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USAFETAC FORM 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L. AL CLIMATOLOGY BRANCH L'AFETAC AL WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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Wet Bulb			2834			UZ	3.6	14.3	51		40	40.		2.4		<del></del>				5
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GLUPAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

HECTOR APT FARGO ND

### **PSYCHROMETRIC SUMMARY**

STATION YEARS STATION NAME PAGE 1 ALL HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) 14/ 51 • 0 / 49 4./ 45 2 • 0 2 1 44/ 43 • 0 • 0 2 2 92/ 41 • 0 2 2 / 39 • 1 4 4 311 37 8 8 ì . 1 2 / 35 . 3 24 24 8 . 2 . 3 9 3.1 33 34 34 . 1 33 31 . 9 87 87 53 38 361 29 49 1.2 112 112 111 2.1 27 1.2 117 117 122 91 2: / 25 1.9 152 152 107 102 24/ 1.9 23 182 182 206 61 21 2.0 179 1.8 228 228 257 19 2.0 2.0 .0 238 238 217 209 1./ 17 1.6 • 0 204 1.8 204 216 215 1:/ 15 222 199 1.5 2.2 222 237 14/ 13 1.8 2.2 240 240 229 207 1./ 11 268 268 3.0 1.5 298 192 9 1.7 2.1 225 225 221 262 7 2.0 2.7 280 280 239 218 296 . / 5 1.6 3.4 297 342 154 4.0 306 306 322 212 .1 1 4.5 312 313 201 268 • 7 251 251 281 159 - 3 -. 1 2.3 217 218 251 253 --/ -5 3.5 • 3 227 227 243 269 -11 -7 3.4 204 204 213 210 -8/ -9 4.0 237 237 240 186 -1./-11 4.2 252 252 252 187 -1:/-13 2.4 140 140 140 156 -14/-15 239 4.0 239 239 218 -1:/-17 177 177 177 209 Element (X) ZX, ZX Y 7, No. Obs. Mean No. of Hours with Temperature \* 73 F \* 80 F Rel. Hum. 5 0 F £ 32 F ≥ 67 F - 93 F Total Dry Bulb Wet Bulb Dew Point

74-81

AC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L.	AL CLIMA	TOLOGY	BRANCH
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**PSYCHROMETRIC SUMMARY** 

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STATION	STATION NAME		YEARS		MONTH
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					HOURS IL. S. T.

Temp.						WET	BUL8	TEMPER	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
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Wet Bulb		130	9974		226	74	3.8	14.3	55	59	38			737.7					1		744
Dew Point		174	8553		-142	0.7	-2.4			5.9	38			142.4				1	T		744

SE PAE CLIMATOLOGY BRANCH CORFETAC AT -EATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 - 14 STATION HECTOR APT FARGO NU FEB 74-81 PAGE 1 0000-0260

																	HO.RS	
Temp.						WET BUL	B TEMPE	RATU	RE DEPRE	SSION	( <b>F</b> )				TOTAL		TOTAL	_
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Dew Point								1				<u> </u>	<u> </u>	L	11	L		

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STORETAC SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION	(F)						TOTAL D.B. W.B.		TOTAL	
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Wet Bulb			2272			84	9.0	14.2	61		78	24.	4	80.8				<del>                                     </del>	<del> </del>		8
Dew Point			0044			04	7 6	16.8	-		78	36.		83.0		<del></del>		<del>                                     </del>	<del> </del>		8

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AI: WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

HECTUR APT FARGO NO 74-81 FEB PAGE 1 0300-0500 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 3: / 37 • 1 1 1 ?t/\_35 1.0 8 2.1 341 33 • 3 16 16 9 - 1 2.7 31 23 23 17 13 15 22 ./ 29 • 1 1.9 15 16 2 1 27 . 9 3.2 28 28 22 2€/ 25 . 7 3.8 31 31 341 13 23 2-/ 23 . 4 2.1 17 17 27 21 21 2.5 23 23 29 27 2 / 19 1.6 1.5 21 21 17 26 18/ 17 2.7 2.8 37 37 28 29 19 16/ 15 1.2 19 31 22 14/ 13 2.5 1.5 27 27 26 34 11 3.8 30 30 31 29 2.4 25 25 17 35 1.3 10/ 1.6 2.5 28 26 8/ 28 12 1.2 ! / 5 5.2 43 43 46 9 1.3 5.3 4/ 3 45 45 47 20 • 9 4.0 33 33 25 25 11 1 4.4 -1 . 3 32 32 47 22 -3 26 -:1 3.5 28 39 26 -4/ -5 2.9 20 20 20 28 27 -c/ -7 4.0 27 27 26 -:/ -9 2.7 18 18 18 29 -16/-11 12 12 12 21 18 -1./-13 2.7 18 18 27 -14/-15 2.1 14 14 14 24 15 15 15 -11/-17 2.2 15 11 19 -1-/-19 11 11 -2:/-21 . 9 6 13 6 6 -:2/-23 2 2 2 13 -24/-25 . 6 4 18 -2:1-27 10 -?**·/-29** 6 Mean No. of Hours with Temperature Element (X) ± 0 F ≤ 32 F 2 67 F ≥ 73 F - 80 F • 93 F Dry Bulb Wet Bulb

0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

1 - 14 HECTOR APT FARGO ND 74-81 FEB

STATION STATION NAME YEARS MONTH

PAGE 2 0300-0500

HOURS IL. S. T. Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point - 7L/-31 - 1 - 1 - 33 -3-/-35 -3,/-37 53.845.3 678 TITAL 678 678 678 Element (X) No. Obs. Mean No. of Hours with Temperature 51816 76.411.553 8.214.618 4050380 678 Rel. Hum. 5 0 F ≤ 32 F • 93 F Dry Bulb 190648 5584 678 25.8 80.9 84 7.714.262 Wet Bulb 177740 5210 678 27.9 82.5 64 1558 Dew Point 192266 2.316.695 678 40.1 83.6

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLERAL CLIMATOLOGY BRANCH

AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 74-81 FEB MONTH PAGE 1 000-0800

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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

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# PSYCHROMETRIC SUMMARY

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Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
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GLERAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14514 HECTOR APT FARGO ND 74-81 FEB
STATION STATI NAME VEARS MONTH
PAGE 1 C900-1100
HOURS IN. S. T.

Temp.						WET	BULB '	TEMPE	RATU	RE DEPR	ESSION (	F)						,TOTAL		TOTAL	
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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH USBFETAC AL WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1--14 HECTOR APT FARGO ND FEB 74-81 1200-1400 PAGE 1 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 - 3 - 4 5 - 6 5 / 49 3 3 4 / 47 • 1 4. / 45 . 7 . 1 9 9 4.4/ 43 10 . 6 4:/ 41 10 . 7 39 Q 9 12 37 1.9 23 23 10 7: / 35 10 10 22 3-/ 33 1.6 1.0 18 18 18 17 19 1.0 25 25 12/ 31 2.4 36/ 29 2.2 19 19 29 22 2-1 27 2.5 18 18 21 21 1./ 25 23 2.8 • 1 23 20 24 5.0 24/ 23 38 32 72/ 21 39 5.0 39 18 46 20/ 19 1.5 2.2 25 25 33 32 11/ 17 2.7 24 24 24 40 31 31 22 14/ 15 4 . 1 40 4.6 1-/ 13 35 35 24 26 17/ 11 . 7 3,7 30 30 37 18 1./ 34 34 33 3 C 4.4 • 6 7 6.8 57 57 53 22 1.6 33 33 52 22 5 4.3 4.7 35 35 32 38 .1 1 .1 4.4 31 31 28 32 1.9 1.2 21 25 37 21 -1 - 3 10 10 15 38 -./ 1.2 <del>-</del>5 28 17 17 14 -: / -7 11 11 15 23 1.3 --/ -9 1.0 7 9 17 10 -1./-11 4 4 4 -1./-13 . 1 1 10 -1-/-15 6 14 11/-17 Mean No. of Hours with Temperature Element (X) Rel. Hum. 10 F ± 32 F ≥ 67 F ≥ 73 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0-26-3 OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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HECTOR APT FARGO ND

# **PSYCHROMETRIC SUMMARY**

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Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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Bulb			3140		98			13.3			78	11.		74.7				<del></del> -	1	<del>-  </del>	
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OL RAL CLIMATOLOGY BRANCH UTAFETAC AT - MEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 4 7 1 4 STATION FEB HECTOR APT FARGO NO STATION NAME 1500-17JC PAGE 1

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Element (X)		Z X 2		2	X		¥	<b>₹</b> 2		No. Ob				Me	on No. of	Mours wi	th Temperatu	7.		
Rel. Hum.												0 F	≤ 32	F z	67 F	≥ 73 F	≥ 80 F	≠ 93 F	7	otal
Dry Bulb															i					
Wet Bulb						$\Box$											1			
Dew Paint						$\Box$														

USAFETAC FORM O-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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. •				ATHEN	SEDVICE	7440

# **PSYCHROMETRIC SUMMARY**

STATION	<u>nE</u>	CTOR	APT		TATION N					74-	81			VF /	ARS					FE	E B
SIRIUN				5	IALION N	-ME								76,7	-n <b>3</b>			PAG	E 2	15GO-	-176
Temp.						WET	BULB	TEMPER.	ATURE	DEPRE	SSION	( <b>F</b> )						TOTAL		TOTAL	
( <b>F</b> )	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	25 - 26	27 - 28 29	9 - 30	× 31			Wer Buib	Dew Pa
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Rel. Hum.		2×1	0677		2 x 485	25	71.6	11.3	9 2		78	: 0 F	1 .	32 F	Mean No.		23 F	h Temperat	ore - 93 1		otal
Dry Bulb			1274		120		17.7	14.2	54		78	7.		0.6	60/ P		/3 5	- 80 F	- 93	<u>'</u>	otal
Wer Bulb			3776		109			13.1			78	8.		3.8		+		<del> </del>	+		
Dew Point			52a6			10	0.0	14.8	20		78	24.		0.7		+		<del></del>	+		8

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEMATOLOGY BRANCH UTAFETAC ATH WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 - - 14 MECTOR APT FARGO NO STATION NAM FEB 74-81 1800-2000 HOURS ILL S. T. PAGE 1

																			HOURS IL.	
Temp.										E DEPR							TOTAL		OTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 1	6 17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 → 31	D.B. W.B. 1	ry Bulb W	et Bulb D	ew Point
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3 / 37		. 9	. 4	. 6		1	}			į	ł	1					13	13	16	1
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3-/ 33	- 1	1.3	. 9	į		į	}	ĺ		1	]	]			'		16	16	22	9
72/ 31	• 6	3.2	1.8						1	1	1						38:	38	29	27
1 / 29	. 3	2.8	- 3			į	1	ì		]	}	1					23	23	27.	28
2.1.27	• 3	3.8															28	28	35	13
2./ 25	• 3	3.5	- 3								1	1 1			1		28	28	23	23
24/ 23	. 4	3.8														:	29	29	37	37
22/ 21	• 9	2.5		[			İ	(	1	1	1	! !	:			!	23	23	33	23
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17	2.4	4.7														:	48	48	48	34
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Element (X)		Σχ'			ZX		X	•,		No. O	bs.				Mean No.	of Hours wit	h Temperatu	110		
Rel. Hum.								<b>T</b>				2 0 F		32 F	≥ 67 F	≥ 73 F	≥ 80 F	+ 93 F	7.	tel
Dry Bulb								T								1	1	T		
Wet Bulb								1									1		1	
Dew Point								1								1	<b>†</b>	<del></del>		

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LETAL CLIMATOLOGY BRANCH PRAFETAC AIR REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

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ement (X) Zy Y No. Obs. Mean No. of Mours with Temperature	ement (X) I. Hum, y Bulb							75.0 14.6	11.1	88	6	78	10 F		F		≥ 73 F	▶ 80 F		1	Fotel É
1. Hum. 3902541 50877 75.011.188 678 ±0F ±32F ±67F ±73F +80F +93F Total y Bulb 280088 9886 14.614.170 678 12.5 74.8	Wet Bulb Dew Point			7701			49	13.5	13.5	47		78 78	27.		. 4						E

GL. PAL CLIMATOLOGY BRANCH

GOLFETAC AI - WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 74-81 STATION NAME 2100-2360 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 4. / 45 - 1 ī 42/ 41 46/ 30 • 1 5 • 6 5 • 1 34.7 37 7 71/ 35 1.9 15 15 34/ 33 2.1 1.0 21 21 17 6 72/ 31 2.5 22 22 20 15 14/ 29 2.8 27 1.2 4.6 40 40 22 34 • 6 4.1 32 32 35 28 24/ 23 1.9 ŽΟ 16 16 33 2/ 21 21 1.2 2.1 22 22 37 1.3 . / 19 25 26 1-/ 17 1.2 1.6 19 31 20 1:/ 15 2.7 24 24 20 15 1-/ 13 1.2 3.1 29 29 23 22 1./ 11 2.9 1.6 40 • 1 32 32 13 1.0 29 29 33 31 7 2.2 4.0 42 1.7 42 27 34 2.2 5.2 50 50 60 22 25 3 4.9 39 39 34 4.1 33 33 29 36 -1 2.9 2.1 34 34 38 21 -./ -3 2.7 25 39 26 -5 29 1.6 11 11 11 -7 12 12 12 3 C 1.5 10 10 10 18 11/-11 8 8 8 35 -1:/-13 5 13 -1-/-15 11 -1-/-17 1.8 12 12 15 12 /-19 1.2 8 8 10 8 ../-21 3 3 31 8 12 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F : 32 F ≥ 73 F Total Dry Bulb Wer Bulb

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

_		AL CLIMA	11000	BRANCH
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7		<b>LEATHER</b>	SERVICE	/MAC

HECTOP APT FARGO NO

1-714

# **PSYCHROMETRIC SUMMARY**

FEB

PAGE 2 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin (F) -2-1-25 ī 1 1 -2-1-27 ı - 1 /-29 -:0/-31 2/-33 -34/-35 -7 /-37 TTAL 40.955.6 3.5 678 678 678 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 480 F 76.411.361 678 2 32 F 4048473 51823 10 F Total 233983 7985 17.8 Dry Bulb 11.814.377 678 77.9 84 11.013.935 80.2 Wet Bulb 213437 7455 678 20.1 54 200777 Dew Point 3881 678 32.0 82.8 84

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GL. GAL CLIMATOLOGY BRANCH

AT REATHER SERVICEZMAC

1 -- - 1 4 HECTOR APT FARGO ND

## **PSYCHROMETRIC SUMMARY**

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																PAGE	1	MOJAS L.	<b>L</b> 5, T.
Temp.						WET	BULB	TEMPE	RATUR	E DEPRE	SSION (	(F)				TOTAL		TOTAL	
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Dry Bulb																			
Wer Bulb																			
Dew Point																			

NFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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HECTOR APT FARGO NO

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ALC MEATHER SERVICE/MAC

14-14

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≤ 32 F

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157.5 631.1 264.0 659.2 FEB MONTH

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																		PAG	2	HOURS .	L L s. T.
Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B. W.B.			
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No. Obs.

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74-81

THIS FORM ARE OBSOLETE EDITIONS OF PREVIOUS ŏ

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SEC AL CLIMATOLOGY BRANCH

' I ETAC

ATE MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14-514 HECTOR APT FARGO ND
STATION STATION NAME 74-81 0000-0200 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 12/ 51 3 5 / 45 4: / 47 • 1 .4 46/ 45 3 • l 44/ 43 • 1 • 1 40/ 39 11 11 1.3: 34 301 37 3.1 1.1 34 17 6 35 4.6 1.1 43 43 35 18 56 3-/ 33 5 3: 4.6 . 7 • 1 53 47 7.8 1/ 31 72 72 1.2 • 1 7./ 29 55 1.6 54 54 4 . 3 61 3.1 32 32 52 201 .77 50 25 5.2 51 44 4 B 31 2-1 23 40 • 1 1.5 12 12 72/ 21 2 . 4 2.3 37 37 29 28 19 4.4 44 44 39 41 4.2 36 36 29 1./ 17 . 7 36 1:/ 15 • 3 3.9 31 31 37 49 32 13 2.3 24 24 25 1. / 11 20 20 28 32 1.7 • 9 1.6 2.7 32 32 26 37 19 7 1.5 2.0 30 -/ 26 26 5 22 .8 1.2 15 15 18 . / 3 1.9 16 16 15 28 1 . 1 2.4 19 19 14 18 . 7 1/ -1 12 12 16 8 - 3 10 10 24 -5 11 11 11 • 3 8 8 9 9 -7 7 5 --/ -9 5 5 -10/-11 13 -1./-13 Element (X) Mean No. of Hours with Temperature ± 0 F ≤ 32 F . 80 F Dry Bulb Wet Bulb Dew Point

. AL CLIMATOLOGY BRANCH

AT REATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

HECTOR APT FARGO NO 74-81 PAGE 2 0000-0200

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GL. AL CLIMATOLOGY BRANCH STAFETAC AI: WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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# **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UE MAL CLIMATOLOGY BRANCH UMMELTAC AIM WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY** 

1---14 HECTOR APT FARGO NU 74-81 MAR

STATION STATION NAME VEARS

PAGE 1 0900-1100

		-	2													PAGE	1	-2360 - 3 Puon	
Temp.						WET	BULB '	TEMPERA	TURE D	EPRESSI	ON (F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 1	5 - 16 17	- 18 19	20 21 - 2	2 23 -	24 25 - 26	27 - 28 29	- 30 = 31	D.B. W.B. D	ry Bulb	Wet Bulb D	ew Po
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Wet Bulb																1			
Dew Point								T						i	1	1			

L. AL CLIMATOLOGY BRANCH CAFETAC A . FATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 - 14 HECTOR APT FARGO ND MAR YEARS STATION NAME PAGE 2 0930-1100

																	L 2	HOURS .	. 5, T.
Temp.						WET	BULB	TEMPE	RATUR	E DEPRE	SSION	( <b>F</b> )				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 2	9 - 30 + 31	70.B. W.B.	Dry Bulb	Wet Bulb	Dew P
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Element (X)		Z x2			Z X	Ι	X	•,	<del></del>	No. Ob	<u> </u>	<del> </del>		Mean No	o of Hours w	ith Temperat	ur•	<u> </u>	
tel. Hum.			5546		559	72	75.2				44	2 0 F	± 32 F	2 67 1		≥ 80 F	93	FT	otel
Dry Bulb			1656		181	56	24.4	13-1	56		44	4.6			+	+	+	<del>-   - '</del>	
Wet Bulb			8576		167		22.5	12.2	19		44	5.5			<del></del>	<del></del>	+	<del>-                                    </del>	
Dew Point			3557		129		17.4				44	12.1			+	+	+		<del></del> ;

USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OBSOLETE ARE PREVIOUS EDITIONS OF THIS FORM 4 ಠ .26.3

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GLA AL CLIMATOLOGY BRANCH JAFETAC ATT REATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

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16614 HECTOR APT FARGO ND 74-81 MAR STATION STATION NAME MONTH 1200-1400 PAGE 1

HOURS L. S. T. Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | # 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 6/ 65 4/ 63 . / 61 • 1 1 c./ 49 57 . 4 . 4 7 • 1 5/ / 55 • 3 • 1 4/ 53 • 1 6 6 1 5.1 9 9 5. / 49 11 11 • 1 41/ 47 . 1 . 1 15 15 17 10 4: / 45 • 1 17 1.7 -4/ 43 . 8 27 27 . 3 14 1.2 7 421 41 2.6 28 28 23 4. / 39 2.4 34 34 30 8 3.2 2.0 ? / 37 . 4 51 43 19 51 3:7 35 3.4 2.3 5 5 64 1.7 34/ 33 2.2 41 49 49 41 72/ 31 4.6 2.2 64 64 48 62 2.3 2.0 32 36/ 29 32 56 35 2-1 27 3.9 37 37 42 39 25 5.4 1.7 53 53 55 45 1.5 51 24/ 23 15 15 28 4.7 45 45 72/ 21 28 49 1.1 • 3 . 5 20/ 19 3.8 33 33 36 59 1 17 49 3.6 30 30 41 1// 15 2.0 15 15 22 46 29 1-/ 13 .3 2.8 23 23 14 1.5 11 11 22 30 1./ 11 3 34 16/ 1.6 15 15 14 7 1.9 14 14 13 18 • 3 15 20 10 . / 5 1.7 15 1.3 10 10 10 16

11 6 No. Obs. Element (X) Mean No. of Hours with Temperature ≥ 67 F = 73 F = 80 F Total Rel. Hum. 5 0 F : 32 F • 93 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0.26-3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR MEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION			R APT		TATION N					_	74-8	<del></del>			YE	ARS					MON	
																			PAG	E 2	1200 HOURS 12	- 14 (
Temp.							TBULB												TOTAL		TOTAL	
(F)	0	1 - 2	+	5 - 6	7 - 8	9 - 10	11 - 12	13 - 1	4 15 -	16 1	7 - 18 1	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 3	0 - 31	D.B. W.B.		·	
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Element (X)		ZX'		$\vdash$	ZX	<del></del>	Ī	+			to. Obs	. 1				Mean N	o. of 1	loure wit	h Temperat	ure	·	
Rei. Hum.			35688		519	42	69.8				74		: 0 F		± 32 F	e 67		• 73 F	• 80 F	93 !	FT	Fetal
Dry Bulb			3355		217		29.	12.	977		74		1.		53.6		_		<del> </del>	1		-
Wer Bulb		61	2686		196		26.4	11.	362		74			. 4	61.9		1		<u>†</u>	1	$\neg \uparrow \neg$	-
Dew Point		41	10540	K	148	74	20.0	112.	342		74	44	8.	. 1	78.1		_			1		

### **PSYCHROMETRIC SUMMARY**

14714 HECTOR APT FARGO ND MAP 74-81 PAGE 1 1500-1700 HO.RS .. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B. W.B. Dry Builb Wet Bulb Dew Pain · 67 65 1 . 1 14/ 63 . 3 . 5 • 1 ./ 61 mc/ 59 . 3 57 11 11 . 1 • 5 • 1 • 1 5.7.55 11 • i • 3 11 53 -4/ • 3 1 • 3 5 12/ 51 13 13 5./ 49 • 5 • 5 14 14 10 1.2 . 1 . 4 6 / 47 . 3 20 20 11 45 1.2 1.1 .7 24 24 22 44/ 43 1.3 22 • 1 22 17 2.6 42/ 41 29 29 27 11 4:/ 39 2.4 41 41 33 3 / 37 17 1.5 4.7 32 1.1 65 65 . 1 35 3.4 1.2 1.1 50 50 82 47 1.3 341 33 2.6 33 33 49 39 72/ 31 2.0 47 41 47 62 31 31 7.7 25 2.4 57 37 1.3 4.7 2.3 29 27 54 54 44 Tr / ر د 4 . 8 41 57 37 41 2-/ 23 1.7 16 16 40 721 59 21 6.0 61 61 33 3.0 26/ 19 47 47 26 26 1 / 17 2.2 23 23 32 49 1: / 15 2.2 18 18 17 61 14/ 13 2.6 20 20 19 34 11 1.5 12 12 18 23 147 12 - > 1.5 11 11 23 7 17 . 8 6 11 6 . 1 ñ 1.6 12 12 7 15 9 13 9 17 1 3 No. Obs. Mean No. of Hours with Temperature Element (X) ± 32 F Dry Bulb

C FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Wet Bulb Dew Paint USAFETAC FORM 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L FAL CLIMATOLOGY BRANCH FETAC AIN REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	HEC	IUR	API	PAR	GO N	AME			<del></del>	74-	81			YEA	R S				MON	A R
																	PAGE	?	1500-	- 1 7 C
Temp.										DEPRE							TOTAL		TOTAL	
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Pry Bulb			7585		231		27.0	10.9	4.0		44					<del> </del>	+	ļ		<del></del> ;
ow Point			8018		157		21.3	11.8	0.7		44 +	5.5				<del> </del>	+	<del>                                     </del>		
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SLEMAL CLIMATOLOGY BRANCH SEPETAC AT AEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14-14 HECTOR APT FARGO ND 74-81 MAR

STATION STATION NAME YEARS PAGE 1 1800-2000

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Temp.										DEPRESS						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 1	- 20 21 - 1	22 23	- 24 25 - 26	27 - 28 2	9 - 30 * 31	D.B. W.B. D	ry Bulb	Wet Bulb C	ew Par
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52/ 51			• 1		• 3	• 3	. 3									7	7		
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4-7 47			• 5		.1	• 3		• 1					1	i	1	9	9	6	
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44/ 43		• 3	. 5			1	L							<u> </u>	1	12	12	14	1
62/ 41		• 5	2.7	. 3	• 3	• 1										29	29	21	
45/ 39	3	1.1		. 7	_ • 5	. 1				1_	l_			<u> </u>		32	32	30	11
3. / 37	• 5	3.1	1.5	. 7	• 1										1	44	44	4 C	1 6
7: / 35	. 7	5.5	2.0	1.1	. 4	1								<u> </u>		73	73	48	36
3-/ 33	. 4	4.3	2.0	• 3	• 1							Ţ				5.3	5 3	6.8	46
72/ 31	. 9	4 . 8	2.4	. 7	. 1											67	67	58	6
7 / 27	• 8	2 . 8	• 5									Ī				31	31	65	50
2.1 27		2.7	• 5	- 1										<u> </u>		25	25	38	4 (
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# **PSYCHROMETRIC SUMMARY**

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### PSYCHROMETRIC SUMMARY

HECTOR APT FARGO NO MAR 14 714 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Poin (F) -1-/-17 -1-/-19 7-21 -22/-23 743 14.969.610.5 3.0 1.2 743 TITLL 743 743 No. Obs. Element (X) Mean No. of Hours with Temperature 57771 743 Rei. Hum. 4590027 77.811.499 5 0 F : 32 F 267 F 273 F 280 F 293 F Total 24.512.572 Dry Bulb 563484 18238 743 3.8 64.2 93 17019 743 70.7 493465 4.4 93 Wet Bulb Dew Point 13624 18.313.279 743 10.5 81.7 93 380656

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLERAL CLIMATOLOGY BRANCH GREETAC AT WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

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Dry Bulb			3433		1485		25.0	13.6	36	59			509.3		<del>                                     </del>		-+		+	74
Wet Bulb			5685		1369		23.0	12.4	54	59			559.6		<del> </del>				+	74
			0822		1063		17.9				50		652.5		1				1	74

SECTAL CLIMATOLOGY BRANCH SAFETAC AIR REATHER SERVICE/MAC

USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Temp.										EPRESSIO					TOTAL		TOTAL	
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Vet Bulb			]											ļ	<b></b>			
Dew Point											i	L		1	<u> </u>	L	_1	

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SE AL CLIMATOLOGY BRANCH STATE REATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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STATION					TATION N	IAME								YEA	RS					W24"H
																	PAG	SE ?		000-02
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	( <b>F</b> )					TOTAL		TC	TAL
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ement (X)		Σχ'	L	-	Zx	┷	T T	•	<del></del>	No. Ob	8.	l			Mean No.	of Hours	rith Tempera	ıture.		
el. Hum.			4271		530	3		17.5			20	± 0 F	-	32 F	≥ 67 F	≥ 73 F			3 F	Total
ry Bulb			8895		279	39	38.8	10.8	57		20	•		21.9	•					-
et Bulb	-		4393		254		35.4	9.2	90		20	•		34.3		1		1		
Dew Point			4874		216			10.1			20	1.		55.4		<del>+</del>				

74-81

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-3 (OL A) USAFETAC CLIMATOLOGY BRANCH FETAC AI WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14 114 HECTOR APT FARGO NO APR MONTH 74-81 0300-0500 HOURS ILL S. T. PAGE 1

Temp.						WET	BIII B	TEMPER	ATURE	DEPP	SSION (	· E \					TOTAL		OTAL	
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Rel. Hum.								<u> </u>				= 0 1	F 1	32 F	≥ 67 F	≥ 73 F	→ 80 F	+ 93 F	To	rel
Dry Bulb								L							<u></u>	<b>↓</b>	<b></b>		<u>.                                    </u>	
Wet Bulb				<b></b>				<b>↓</b>							<u></u>	<b></b>	<b></b>	ļ	<u> </u>	
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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-3 OLA

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L AL SEIMATOLOGY BRANCH CATETAC AT- REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 1 ~ ~ 1 4 APR 74-81 YEARS STATION STATION NAME MONTH PAGE 2 0300-0500 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) --/ -7 - / -9 -1./-11 -1./**-1**3 720 723 TIL 14.546.818.811.4 4.9 2.2 720 720 No. Obs. Mean No. of Hours with Temperature Element (X) ¥ 77.115.546 Rel. Hum. 4455443 55523 720 10F ± 32 F ≥ 67 F ≥ 73 F → 80 F Total • 93 F 36.410.356 33.7 9.253 720 Dry Bulb 1029267 26183 . 8 33.9 90 879258 24264 720 . 8 41.3 90 Wet Bulb Dew Peint 693814 21108 29.310.213 720 58.6 90

BL. HAL CLIMATOLOGY BRANCH STAFETAC AT- MEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

HECTOR APT FARGO NO APR PAGE 1 3600-0863 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 6/ 65 2 2 fi/ 61 59 3 • 1 12 4.7 57 • 3 . 4 . 4 9 9 • 1 • 3 • 3 • 3 55 . 1 12 12 5 4/ 53 • 3 • 6 . 8 • 1 . 1 18 18 6 52/ 51 . 6 25 25 12 . 6 • 6 5 / 49 20 20. 1. / 47 • 1 19 19 2 • 6 1.0 . 8 - 1 26 4: / 45 . 1 . 7 1.0 1.7 1.3 34 34 20 14 43 1.7 1.4 1.7 45 45 27 17 2.9 1.7 42/ 41 59 . 8 59 50 3 C . 3 30 1.3 2.8 46 30 4.7 1.1 1.0 46 63 7 / 37 1.1 4.2 2.8 70 70. 58 49 35 1.3 4.6 1.9 53 . 8 62 62 62 34/ 33 1.1 4.9 1.8 1.1 64 64 8 C 49 2/ 31 7.4 2.5 1.8 85 85 74 78 1.1 3.1 1.9 74 44 44 83 27 • 3 3.2 30 30 49 59 +/ 25 14 14 36 29 2-1 23 . 6 9 . 6 9 15 • 1 37 21 1.4 13 13 19 40 3 3 11 1. / 17 3 1 1. / 15 3 11 14/ 13 . 1 11 • 1 1 2 1 Q . 1 3 3 7 . 3 2 2 1 1 1 3 . 4 3 3 3 1 3 - 1 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≤ 0 F ≤ 32 F Dry Bulb Wet Buib Dew Point

PREVIOUS EDITIONS OF THIS FORM ARE UBSOLETE ∢ ಠ 0-26-3

3 OL A. MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

St. - AL CLIMATOLOGY BRANCH SCAFETAC AI WEATHER SERVICE/MAC

HECTOR APT FARGO NO

1 - 14

#### **PSYCHROMETRIC SUMMARY**

APR

STATION MONTH STATION NAME PAGE 2 0600-0800 HOURS ... S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) - ./ -5 -:/ -7 -1:/-11 -1:/-13 720 720 720 720 12.645.719.612.9 5.6 2.5 Element (X) Zzi ZX • No. Obs. Mean No. of Hours with Temperature I 76.515.658 37.310.387 34.4 9.294 4387138 720 55062 : 32 F Dry Bulb 1076993 26825 720 27.8 90 9C 24787 Wet Bulb 915433 720 . 6 36.6 21575 30.010.209 720 2.0 Dew Point 721443 56.1

74-81

26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC FORM 0-26-3 (OL A.

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SLUTAL CLIMATOLOGY BRANCH UTAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NU 74-81 APR 0900-1160 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Builb Wet Builb Dew Point (F) 8/ 87 4/ 83 1 79 1 76/ 75 74/ 73 . 1 7. / 71 3 . 1 7: / 69 • 1 . 3 E : 1 67 re/ 65 17 . 1 . 1 . 6 17 • 3 14/ 63 . 1 • 6 . 4 . 1 13 13 . 1 1./ 61 1.0 • 1 17 17 3 18 / 59 . 3 18 5. / 57 • 3 . 6 19 19 • 1 56/ 55 . 7 30 30 9 4/ 53 1.0 • 6 • 3 34 34 . 6 • 6 • 7 21 12/ 51 1.0 33 33 28 5.7 47 47 40 . 8 1.8 • 8 33 4-7 47 . 7 1.7 1.3 . 7 35 35 34 41/ 45 2.1 1.0 48 48 40 24 44/ 43 1 . 4 59 59 1.1 1.9 2.1 69 31 42/ 41 . 4 1.5 1.8 1.4 • 6 45 45 68 32 1.7 39 . 8 46 46 58 53 3: / 37 3.9 2.5 58 58 56 69 1:/ 35 1.5 2.6 41 41 62 46 3-1 33 34 34 3.2 1.1 51 51 3.1 32/ 31 • 3 40 40 54 1.4 1.5 1.1 32 21 2:1 27 . 4 • 3 6 6 22 44 . 4 2:1 25 52 6 14 6 24/ 23 2/ 21 1 30 3 • 1 1 L/ 19 33 . 1 1-/ 17 1 19 10 ZX, ΣX Mean No. of Hours with Temperature Element (X) ≥ 67 F ≥ 73 F Rei. Hum. 2 0 F 4 32 F Tetal Dry Bulb Wet Bulb Dew Paint

FORM  $\,$  0 - 26 - 3 (OL A)  $\,$  PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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USAFETAC FORM 0.26-3 OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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**PSYCHROMETRIC SUMMARY** 

1---/14 HECTOR APT FARGO NU 74-81 APR
STATION STATION NAME YEARS
PAGE 2 0900-1100
HOURS (15.1)

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Temp.		, — —	,		,					DEPRE							TOTAL		TOTAL	
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FORM ARE OBSOLETE **EDITIONS OF THIS** PREVIOUS ಠ ö FORM JUN 71

Dew Point

CLUBAL CLIMATOLOGY BRANCH STAFETAC

AT MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

MECTOR APT FARGO NO 74-81 APP 1200-1400 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) c/ 97 · 6/ 95 4/ 93 ./ 91 • 1 28/ 87 1: 1 93 81 3 3 / 79 . 3 7. / 77 • 3 10 10 76/ 75 - 1 7 7 - 1 . 3 74/ 73 • 1 14 14 7./ 71 10 10 • 6 7 / 69 • 3 15 15 • 6 6 / 67 9 14. 16/ 65 . 8 14 . 4 14/ 63 . 1 . 6 . 7 1.0 31 31 +21 61 . 1 30 30 11 . 6 t./ 59 34 1.0 . 6 1.0 34 14 E · / 57 45 1.1 1.1 1.0 1.4 45 56/ 55 . 7 1.8 . 6 1.0 44 44 25 5.41 1.0 37 32 37 5 53 1.0 . 7 32/ 51 . 8 30 30 40 5./ 49 1.0 1.0 . 8 . 1 41 41 38 11 4 > / 47 40 40 43 19 1.3 1.1 1.0 41/ 45 1.3 44 39 39 35 44/ 43 68 . 8 1.3 . 6 1.21 41 2.4 1.3 38 38 63 33 46/ 39 1.4 1.1 40 40 58 52 3:/ 37 1.7 23 23 40 56 • 6 2.2 367 35 27 49 1.1 50 34/ 33 1.8 1.3 27 27 46 45 32/ 31 21 21 32 74 10/ 29 1.0 10 10 15 57 21.1 27 18 46 Element (X) Mean No. of Hours with Temperature Rel. Hum. 5 0 F ≤ 32 F ≥ 67 F ≥ 73 F × 80 F • 93 F Total Dry Bulb Wer Buib

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LL AL CLIMATOLOGY BRANCH UTATETAC A'- LEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1-14 HECTOR APT FARGO ND APR 74-81 MONTH PAGE 2 1200-1400 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 21/ 25 • 6 24/ 23 - 1 17 727 21 36 .. / 19 • 3 30 1-/ 17 16 1: / 15 16 3 3 1./ 13 . 4 • 3 3 1. / 11 3 117 7 . / 2.519.616.910.6 9.311.5 7.4 7.6 5.7 2.5 2.6 1.9 .8 720 720 720 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 2684013 40765 56.622.867 720 € 67 F = 73 F # 80 F 10 F ≤ 32 F ≥ 93 F 50.113.631 720 1943899 36103 9.8 5.5 90 7.3 1.5 Dry Bulb 1352270 42.3 9.508 720 12.0 Wet Bulb 30444 90 32.710.365 Dew Point 848184 23560 720 45.4 90

C FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SERBAL CLIMATOLOGY BRANCH WINFETAC AI: VEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

TG = 14 HECTOR APT FARGO ND 74-81 PAGE 1 1500-1760

																		PAGE	· • ·	HOURS (	- 1 / G () . 5, T.
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# **PSYCHROMETRIC SUMMARY**

1 - · 1 4 HECTOR APT FARGO NU 74-81

STATION STATION NAME

PAGE 2 1500-1700
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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

14514 STATION HECTOR APT FARGO NO APR 74-81 YEARS 1800-2000 HOURS IL. S. T. PAGE 1

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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DECEMBER AL CLIMATOLOGY BRANCH CAFETAC AT WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14514 APR HECTOR APT FARGO ND 74-81 STATION YEARS HTHOM STATION NAME 1800-2000 HOURS HELS, T. PAGE 2

Temp.						WET	BULB	TEMPER.	ATURE	DEPRE	SSION	(F)					TOTAL		DTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 × 31	D.B. W.B. D	ry Bulb W	er Bulb De	ew Po
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Dry Bulb			6520					12.9			20			7.8	8.1	3.4	• • 6	•	1	9
Wet Bulb			8277		299			9.2			20			12.4		<del></del>	<u> </u>		<del></del>	9
Dew Point		<u>ა</u> 3	4094		233	56	32.4	10.3	12	7	20			45.4			1	<u> </u>	<u> </u>	9

USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH GREETAC AT- WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

140.14 HECTOR APT FARGO ND STATION NAME

APR MONTH

2100-2360

Temp.						WET	BIII P	TEMPER	ATURE	DEPRES	SION /F					TOTAL		TOTAL	
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4/ 31		• 3	1.3	1.0	1.1	• 6					-+			<del></del>		28	28	35	
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Dew Point						_ 1		L	l l		1		i	1		1	1	l	

USAFETAC FORM 0.26-3 OL A PREVIOUS FOITIONS OF THE FORM ARE 19850-FFE

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A !	₩E 4	THER	SERVICE	/MAC

1--14 HECTOR APT FARGO NO

# PSYCHROMETRIC SUMMARY

STAT:ON				·	TATION N										ARS		PAGE	2	2100	
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Wet Bulb	<b></b>		J747		275		38.2				20			21.4	L	<b></b>	<del></del>	<del>↓</del>	<del></del>	
Dew Point		80	2404	1	229	14	31.8	10.0	88		20		• 6	48.9		L	1	<u> </u>		

ULL 'AL CLIMATOLOGY BRANCH A AFETAC AL- AEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO STATION NAME 74-81 ALL HOURS L. S. Y. PAGE 1

Temp.								EMPER									TOTAL		TOTAL	
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76/ 75							•0	• 0	- 1	•0	• 1	- 1	. 2	• 0			27			
74/ 73			-	ſ	ĺ	• 0	• 0	• 0	.0	• 1	• 1	. 2	• 1		4		3.3			
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Rel. Hum.											$\rightarrow$	± 0 F	+-	32 F	≥ 67 F	* 73	F - 80 F	- 93 F	<del></del>	otal
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USAFETAC FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SL. SAL CLIMATOLOGY BRANCH LINETAC ATT PEATHER SERVICE/MAC

9113931

6289586

221851

180840

31.410.308

#### **PSYCHROMETRIC SUMMARY**

720

720

HECTOR APT FARGO NO APR 1 - 14 74-81 STATION NAME YEARS MONTH PAGE 2 ALL WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 × 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin 1 30 1.9 202 202 379 463 1.1 . 1 2 / 27 1.5 122 122 420 . 4 410 24 25 172 86 1.1 86 35 35 89 190 24/ 23 . i . 4 . 1 21 21 • 1 34 34 37 293 1 19 28 31 28 327 • 1 1// 17 18 18 133 0 9 1:7 15 20 89 18 • 3 18 51 14/ 13 11 19 19 25 38 . 1 1./ 13 13 15 24 • 1 7 • d . 2 13 13 14 23 9 5 • 1 ğ 11 16 15 15 12 4/ 14 9 1 . 1 14 16 -1 8 8 12 -3 2 -./ 1 1 • 0 --/ -5 14 - / -7 4 -10/-11 4 -1./-13 . 2 TOTAL 7.231.019.012.1 8.3 7.0 4.7 3.5 2.9 1.4 1.1 . 6 .0 5760 5760 5760 5760 Element (X) Zy: ΣX 7 No. Obs. Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F Rel. Hum. 27831702 380318 66.021.734 5760 10F : 32 F ≥ 80 F ≥ 93 F Total 43.913.348 38.5 9.941 1.7 129.1 1.7 186.9 Dry Bulb 12136373 252973 5760 35 · D 17.6 5.9 720

5760

5760

7.0 403.1

PRE'10US EDITIONS OF THIS FORM ARE OBSOLETE 9 0.26.3

Wet Bulb

Dew Point

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 77

## **PSYCHROMETRIC SUMMARY**

THE HECTOR APT FARGO ND 74-81

STATION STATION NAME

PAGE 1 0000-0260 Hours (L. S. T. I

																				HOURS .	. 5. 1.1
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USAFETAC FORM 0.26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SE SAL CLIMATOLOGY BRANCH SEAFETAC AIR AFATHER SERVICEZMAC

# **PSYCHROMETRIC SUMMARY**

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GLUSAL CLIMATOLOGY BRANCH STAFETAC ALM WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

14914 STATION HECTOR APT FARGO NO MAY PAGE 1

0300-0500 HOURS (L. S. T.)

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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

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UL BAL CLIMATOLOGY BRANCH WYAFETAC ATH HEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND STATION NAME

74-81

PAGE 1

0600-0800

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

14-14 HECTOR APT FARGO ND 74-81 MAY
STATION STATION NAME PAGE 2 0600-08C HOURS (C. S. T.)

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BLUMAL CLIMATOLOGY BRANCH UTAFETAC AI #EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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SIL AL CLIMATOLOGY BRANCH L'AFETAC AIM MEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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#### **PSYCHROMETRIC SUMMARY**

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lement (X) el. Hum.			5919		345	551	46.4				44	± 0	#	≤ 32 F	≥ 67		• 73 F	* 80 F	- 93	F 7	otal
ry Bulb			2976		486		65.4	12.0	62		44		<del>·</del> +	.1			28.9				0.01
Vet Buib			3557		396			8.6			44					.1	3	+	<del> </del>		
Dew Point			6445		310			11.7			44			22.5		. 8			<del> </del>		

GEURAL CLIMATOLOGY BRANCH

ASPETAC ALL WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO STATION NAME

74-81

MAY MONTH

1500-1700

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb C	Dew F
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6/ 85			1				}	. 4	. 1	. 5	. 3	. 3	• 1		. 8		22	22		
4/ 83									• 1		.7			1.1			21	21		
./ 81			i				1	. 4	. 4	. 7	. 4	. 3	• 1	1.3	1		27	27		
: / 79				• 1		• 3	.5				. 9	. 1	• 5	-			43	43		
1./ 77				• 3			. 5		. 8		• 3	. 1	. 5	. 1			29	29		
6/ 75			• 1		• 3						• 3	.9	• 8				46	46		
4/ 73		i	)	j		- 1			. 8	1	• 5	. 7	. 1				3.3	33	3	
71			• 1		. 7				. 8		. 7	-		<b>-</b>	1	<del></del>	43	43	11	
./ 69			. 1	• 5	. 9			1.2	. 1	1 1	. 5	1.3					62	62	12	
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6/ 65		1	. 4		. 7		i				. 5			1	-	į	50.	50	24	
4/ 63	-			• 1	. 7			1.9	. 8		• 1			-			44	44	40	
2/ 61		, ,	. 1	- 3	. 7	• 5		• 9			. 3	į.		i		1	28	28	65	
1/ 59			. 8	• 1	.7			. 4		-				1			33	33	39	
-/ 57		. 4	. 4		-	• 5		• 8	• 5		l	Ì		İ	}		24	24	76	
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lement (X)		Z X 2			z x		X	• 4		No. Ob	6.				Mean No.	of Hours w	ith Temperati	110		
I. Hum.											I	± 0 F		32 F	≥ 67 F	≥ 73 F	> 80 F	• 93 F	To	etal
ry Bulb													$\bot$				<u> </u>			
et Bulb											$-\Box$					<u></u>				
ew Point					_	1 _	-	I			T		7 -				1			

USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LLEVAL CLIMATOLOGY BRANCH . JEETAC

HECTOR APT FARGO ND

STATION NAME

AIS REATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMAR

MAY

MONTH 1500-176 PAGE 2 H0.45 .. 5. T. WET BULB TEMPERATURE DEPRESSION (F) (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Po 24/ 23 27 21 7 / 19 1-/ 17 1 / 15 14/ 13 1 / TOTAL .8 3.9 5.9 5.7 8.7 7.010.412.912.510.5 6.6 5.9 2.4 4.2 1.3 .8 .4 743 743 743 Element (X) Σx' Ī No. Obs. Mean No. of Hours with Temperature Rel. Hum. 1667828 31854 42.920.180 743 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 67.411.941 53.9 8.300 50081 743 32.0 16.6 Dry Bulb 3481447 52.3 40032 . 4 2207996 743 Wer Bulb 6.3 Dew Point 1362789 30565 41.111.920 743 23.7

74-81

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ಠ 0.26-3 FORM NU NU NU

■ USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SUIFAL CLIMATOLOGY BRANCH INTERESTAC AT WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14-14 5/ATION HECTOR APT FARGO NO 1800-2000

Temp.						WET	BULB 1	EMPER	ATURE	DEPRES	SSION (F	)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	25 - 26	27 - 28 29	- 30 + 31	D.B. W.B. D	try Bulb 1	Wer Bulb D	ew Pon
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b/ 87									• 1			. 1	i	• 1:	4		3	3,		
t/ 35									• 5	• 3	. 3	• 1	• 3	• 1	• 1		13	13		
-4/ 83				ļ	i	ļ	-	• 5	• 3			• 1	. 4	. 4	• 3		15	15		
1/81		1		• 1				• 3	. 4	. 7	. 3	• 3	. 4	. 4			21	21		
. 1 79		i	1	- 1		}	. 4	. 4	• 5	. 8	. 7	• 1	. 7	. 4	1		31	31		
7.1 77				• 1			• 3	• 3	•	1.1		• 5	• 5	• 3			26	26		
76/ 75		1	!			<u>• 5</u>	7	<u>•</u> 5		• 5	. 4	<u>•</u> 5	. 5				39	_ 39	1.	
74/ 73				. 7		• 5	. 7	. 7	• 5	. 7	• 5	• 5	• 3		:		38	38	2	
7.1 71		i	- 1	• 5	• 3	• 3	• 9	5	3	• 3	- 8	. 4	i_		:		3.3	33	1	
7. / 69		i	• 1	• 7		- 7	• 9	• 3			- 4	• 3		1	-		40	40	8	
6.1 67		1	. 4	• 5		. 4	1.3	. 4	. 9		. 9	. 4					4.8	48	19	
16/ 65		1	. 4	- 4			1.9	1.1	. 8		• 9	• 1		i	!	1	72	72	22	
44/ 63		• 1	. 4	. 7	. 9	. 9	1.2	1.8	. 8					;	i		54	54	34	
-1/61		• 4	• 3	. 7	• 9	• 1	1.6	• 9			i		1				48	48	45	21
11/59		• 7	- 4	. 4		1.2	. 8	. 4		• 3							45	45	52	12
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Dry Bulb													+			<del> </del>	<del></del>			
Wer Bulb			1			1			L							1	_1	L		

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IL HAL CLIMATOLOUY BRANCH FETAC AI LEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

14-14 MECTOR APT FARGO NU STATION NAME MAY 74-81 1800-2000 Hours LL, S. T. PAGE 2

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	× 31	D.B. W.B.	Dry Bulb	TOTAL Wer Buib E	ew Poir
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Element (X)		Z X 2			ZX		X	*		No. Ot	a. T				Mean No	. of Hou	es with	Temperati	,,,,		
Rel. Hum.			0573		348	13		21.2			41	20	F ,	32 F	≥ 67 F		73 F	* 80 F	₹ 93 F	7.	etal
Dry Bulb			3948		475	9.8	64.2	11.4	19		41				39.		3.8			<u>`</u>	93
Wet Bulb			6608		388		52.4	8.3	35		41			. 4	3,		- 4		<del>\</del>		93
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SL .- AL CLIMATOLOGY BRANCH

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#### PSYCHROMETRIC SUMMARY

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HECTOR APT FARGO ND 1 - 14 74-81 MAY PAGE 1 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 1 79 • 1 5 5 • 3 • 1 7-1 77 . 4 • 1 . 1 13 13 14/ 75 • 5 . 1 • 3 13 13 • 1 . 4 14/ 73 16 16 77/ 71 • 3 25 25 . 4 • 5 • 1 • 3 1 / 69 • 5 . 7 20 . 4 • 3 20 . 8 . 8 . 1 . 3 *f.* / 67 32 32 4 . 1 . 7 Mb/ 65 1.4 . 8 1.2 48 48 . 7 • 5 . 4 • 3 . 4/ 63 1.2 27 27 13 . 7 1.2 . 9 59 59 10 1.2 32 14 4:1 59 1.1 . 7 • 5 62 2.0 . 7 62 48 1.2 . 8 1.4 5.7 57 . 8 60 60 55 39 1.2 1.1 5. / 55 1.2 38 1.2 46 1.4 . 8 1.4 1.2 61 61 14/ 53 . 3 . 9 1.8 . 9 55 1.4 . 8 50 50 36 • 3 1 2/ 51 1.4 30 30 49 28

. 7 • 5 51/ 49 . 5 1.2 30 1.8 1.4 44 44 46 . 9 . 4 . 4 • 5 . 3 41/47 1.2 28 28 62 46 4: / 45 2.0 1.1 . 1 1.1 39 39 80 39 36 44/ 43 2.2 36 54 44 41 48 1.5 21 21 55 . 4 4 / 39 1.2 18 18 41 47 12 12 23 47 31/ 37 • 1 . 3 71/ 35 . 8 13 13 28 44 . 3 33 • 3 . 1 4 4 14 29 72/ 31 • 3 3 3 8 47 • 1 7. / 29 4 2.1 27 3 26 2: / 25 32

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE JUSCIETE

SELITAL CLIMATOLOGY BRANCH AT- WEATHER SERVICE/MAC

HECTOR APT FARGO NO

### **PSYCHROMETRIC SUMMARY**

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																			HOURS IL	. S. T.
Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 = 31	D.B. W.S.	Dry Bulb	Wet Bulb	Dew Por
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Element (X)		ΣX2	74.27		ZX	00	X	21 1		No. Ol						of Hours wit	<del></del>			
Rel. Hum.			7426			80		<b>21.1</b>	21		40	= 0 1	-	± 32 F	≥ 67 F	≥ 73 F	→ 80 F	e 93 1	F   T	otal O
Ory Bulb Wet Bulb			31163				48.8				40		-+	- 5	15.6		•	<del></del>		9
			16496		361						40		-	2.5	. 6	<del> </del>	<del> </del>	<del>↓</del>		9
Dew Point		134	26298		301	15	40.7	11.0	70		<b>4</b> U			24.3		<u> </u>	1, .	.1		7.

74-81

SELFAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO ALL HOURS IL. S. T. PAGE 1

						WET	0111 0 3	FLOCE	ATURE	DEPP	ESSION	E1						TOTAL		TOTAL	
Temp. (F)	0	1 - 2	2 4 1										22 24	26 26	27 20	10 20	- 21	D.B. W.B. D.	912		Dam Paras
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4/ 83							• 5		- 1												
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7 / 77		i	[		,		• 3			l .					i i			119	119		
76/ 75			•0	• 1	• 1	• 2 • 4	. 3								<del>   </del>	<del>-</del>		173	173	1	
74/ 73			. 0	. 2	. 2	. 3	• 3	.4		1	t	l .			:			168	168	7	
72/ 71			• 1	• 2	• 4	• 2	• 6				-			<del> </del> -				187	187		$\frac{1}{3}$
76/ 69	İ	1	. 1	. 5									l	Ì	1	,		263	263	1	
6 / 67		• 1	- 2	• 6				• 5	.6					<del> </del>				289	289		6
-6/ 65	ĺ	. 1	. 4	.7									1		!	i		311	311	122	31
4/ 63	• 3	. 3	. 4	• 7	_			_	+				<del>\</del>	<del></del>				301	301	174	59
+i/ 61	. 1	. 9	. 4	. 7	1							1			1	1		327	327	267	89
/ / 59	·a	. 9	• 9	. 9								<del> </del>	<del> </del>	<del> </del>	<del></del>			330	339	348	149
57	. 3	1.1	ģ	. 8							]	]	ŀ	ł				349	349	1	232
5: / 55	• 1	. 8	• 8	. 7	. 9		_	_				1						335	335	379	205
4/ 53	. 1	. 8	. 9	. 9	1.0			_	1	}	1		}	1	1 1			325	325	448	257
52/ 51	• 1	1.0	.7	. 7	• 9						<b></b>		<u> </u>					282	282	429	
5: / 49	. 4	1.1	1.4	1.2							1							333	333	429	346
4./ 47	• 2	1.2	.7	. 7	. 6	. 4	• 1	. 1			1							239	239	446	327
41/ 45	- 3	1.6	. 9	. 7	• 5		• 2	• 0			1	L	Ì	1.				263	263	481	371
44/ 43	• 3	1.9	• 9	. 7	• 5									T				274	274	448	375
42/ 41	. 2	. 9	• 5	. 6	• 2	. 2			l		<u> </u>	ł	l	L				151	151	343	360
41/ 39	• 1	. 8	1.0	. 4	• 3	• 1								[				154	154	240	351
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34/ 33	• 3	• 5	. 3	• 1	• 0							<u> </u>						79	79	168	294
72/ 31	• 2	. 3	• 3	• 1														51	51	102	430
76/ 29		• 2	• 2	•0							<u> </u>	L		<u> </u>				22	22	60	218
2 / 27	• 0	• 1	• 1	• 0							_							13	13		217
21/ 25			• 1						<u> </u>	<u></u>	<u> </u>	L	L.,	<u></u>				4	4	25	220
Element (X)		Z X '			z x		X	• 4		No. O	be.							Temperatur			
Rel. Hum.									$\bot$			≤ 0	F	≤ 32 F	≥ 67	*	73 F	≥ 80 F	* 93 f	F   '	[etal
Dry Buib								L							<u> </u>						
Wet Bulb									_						<u> </u>						
Dew Point								<u> </u>							<u></u>			لــــا			

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC AIR SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	HE	CTOR	APT		GO P					74-	81	<del></del>		YE	ARS			PAGE		MON	AY NTH
																					L. S. T.1
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2		5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 ≥ 31	D.B. W.B.			
24/ 23		•0		1		1	}		]	j			ļ	ĺ	1	1		4	4		
12/ 21		• 1	• 1	1		L			L	Ì						<u> </u>	1	9	9		
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1 / 17							<u> </u>	L		<u></u>		ļ <u>.</u>		1		<b></b>	<u> </u>			3	
17/15				1	}	)	} !			İ			ĺ	1	ĺ		1	1			27
14/ 13					L	<u> </u>	1		<u> </u>				Ĺ	İ	<u> </u>	<u> </u>	-			`	3.3
1./ 11	_			, –					1				(	1	1	į	1	1		1	22
1:7 9					l	L			L	<u>L</u>	L			<u> </u>	L	<u> </u>	1	1			10
17													1			-		i		1	•
1/ 5				<u> </u>		<u></u>			<u></u>	<u>L</u> .			<u> </u>	L	L	<u> </u>					4
TAL	2.5	16.2	13.1	12.9	11.1	10.1	8.7	7.4	6.0	4 . 3	2.8	1.8	1.2	1.1	• 5	•	2 . 1	5944	5944	5944	5941
																			!		
Element (X) Rel. Hum. Dry Bulb		Z <sub>X</sub> ; 2288 2099			Z x 3434		X 57.8 58.0	12.9	51		s. 44	10		32 F 12.9	≥ 67	F	100rs wit = 73 F	h Temperat	• 93 1		Total 74
Wet Bulb		1505			293		49.4	9.4	75		44			29.4			1.0				74
Dew Point		1068			242		40.8			5.9	44		1	94.1		.9	• 1	1			744

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECULAR CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

TATION STATION APT FARGO ND 73-80

PAGE 1 0000-0200 HOURS (L. S. Y.)

Temp.							BULB 1											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	10 2 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Po
7: / 77		• 1					• 1	• 1	• 1					1				4	4		
767 75		. 1	. 4		.6	. 4	• 3	. 1	Ì	}		l				1	1	14	14	1	į
74/ 73			• 1	• 3	. 7	• 3	. 6									1		18	18	4	1
7./ 71		. 1	. 4	.6			. 8	. 3	.1			}				:	i	23	23		
7/ 69		. 8	1.1	. 1	1.1	1.7	• 3	.7								1	1	42	42	7	
6-1 67		.7	1.5			1.1	. 4	. 3	)	}		)	)			İ	1	. 37	37	17	
.6/ 65	•6	1.3		1.0	1.7	• 3	• 1	• 1				1	ļ	<u> </u>		1	,	50	50	34	1
44/ 63	• 3					.6	. 1		}		1		1			1	1	63	63	26	1
61/ 61	• 1	1.9												ļ		†		67	67	46	
1.1 59	. 4			1.4	1		ļ		}					ĺ	ĺ		i	70	70	76	3
5. / 57		3.5	2.9	1.8	.4	• 3										1		64	64	97	4
5: / 55	1.0		2.2					!	[	[		{			ĺ	1	ĺ	62	62	78	8
4/ 53	1.0	3.3		. 8										1			1	55	55	87	7
52/ 51	. 6	3.8			• 1	• 1	_ '			_ !								66	66		
56/ 49		1.3			• 1					Ī ——					1			32	32	55	6
4 / 47	• 1			. 4	• 1					Ì_		<u> </u>			L_	l	_	21	21	_ 50	
4. / 45		1.9	. 8														1	20	20	31	5
44/ 43		.6	. 4	Ì	1		1		l	ł		l		l	L		_l	7	7	_ 19	4
42/ 41		. 4	• 1														1	4	4	17	3
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36/ 35		}		i					L					]		<u> </u>					İ
34/ 33		1				[	1							]							
12/ 31				<u> </u>	l			<u> </u>		<u> </u>	L				<u> </u>	<u> </u>					<u> </u>
CTAL	4.0	29.0	28.3	15.0	11.7	6.5	2.9	2.2	• 3							-		ĺ	720		72
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Element (X)		Zx'		<del> </del>	ZX	<del></del>	X	•,		No. Ol		L	<u> </u>	Ц	Mean	No. of	Hours wit	h Temperat	ute.	L	Щ.
Rel. Hum.			2949		548	20	76.2				20	2 0	F	± 32 ₱	≥ 67	~~~	≥ 73 F	≥ 80 F	- 93 1	F	Tetal
Dr. Bulb			8586		428		59.5				20	<del></del>	-+-			• 3	4 • 5	+	<del> </del>		9
Wet Bulb			1705		396		55.0				20		_			.6	• 6	<del></del>	+		9
Dew Point			6021	╄	370		51.5				20		_+-	. 4		. 8	• 3		<del> </del>		<del></del>

GE SAL CLIMATOLOGY BRANCH AT: LEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 73-80 PAGE 1 0300-0500

							0111 6	TEMBER	ATHOE	DEPRE	SSION (	E\.					<del></del> -	TOTAL		HOURS IL	
Temp. (F)	0			5 - 6	7 - 8								22 24	26 24	27 20	20 20		D.B. W.B.	N		P
76/ 75		1 - 2	3 - 4	3 - 6	7 - 8	y - 10	11 - 12	13 - 14	13 - 10	17 - 18	19 - 20	21 - 22	23 - 24	23 - 26	27 - 28	29 - 30	231	3	3		
74/ 73		.3		. 1			. 1	1		1 1		1		1 1	1		1 !	6	3) 6	3	
7.1 71		• 3	• 1	• •	•1		• 1	<b>├</b>	<del> </del> -	╂──┤				<del>  </del>				3	- 2		
7: / 69	. 1	. 8	.6	• 3	. 1	• 3	. 1	.1	}			}		) }	1		1 :	18	18	4	ī
6 / 67	- 4		1.0				.6			<del> </del>				<del> </del>			<del></del>	31	31	13	8
16/ 65	. 3	1 1								<b>!</b>		[ [		[ ]	- 1			57	57	16	12
14/ 63		1.9	2.9	1.5		1.0	• 3			1-1				1			+	60	60	28	17
62/ 61		1.8			1.3	11	•	1	}	1 1		}		}				56	56	3.3	27
40/ 59		2.9			• 8			<del>                                     </del>		<del>                                     </del>		<del>                                     </del>		<del>                                     </del>			<del>;</del> -	58	58	58	21
5-1 57	. 8							}	ļ			i i			1			71	71	69	5.3
51/ 55	1.5		2.8	.6	• 3					1-1							1	69	69	95	61
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52/ 51	1.3			• 3														53	53	85	78
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4 / 47		3.3	1.7	• 3	• 1			1										39	39	53	67
45/ 45	. 6	2.6	1.1	• 1		[ ]				1		[ [		1 1			1 1	32	32	41	68
44/ 43	. 4	1.3	. 8							1								18	18	34	40
42/ 41	. 6	2.4	. 3					l	l	1_ 1				<u> </u>	_ 1	_		2 3	23	30	50
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3:/ 37		• 1						<u></u>	<u> </u>	L l		l		L				1	1	1	23
34/ 35															- [		1			1	4
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32/ 31								} _	1	1 1		)		] ]	- 1			)		}	1
TOTAL	8.6	39.7	28.1	11.5	6.9	3.5	1.4	• 3		<b> </b>				L			<u> </u>		720		720
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Element (X)		Z X ?			Z X	Т,	X	•,		No. Ob	.	·			Mean N	o. of t	tours with	Temperare	,,,		
Rel. Hum.			2242		585			12.7			20	≤ 0 F		≤ 32 F	≥ 67		≥ 73 F	→ 80 F	- 93 F	T	otal
Dry Bulb			8946		406			7.5			20		$\perp$		7.		1.1				90
Wet Bulb			2584		383			6.7		7	20				2		. 4		L		9:
Dew Point		187	5416		363	72	50.5	7.2	72	7	20			1	1	. 5			1		90

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 4 ₫ 26-3

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USAFETAC

Dew Point

2013862

37760

52.4 6.832

GLURAL CLIMATOLOGY BRANCH

USAFETAC

AI- HEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

90

HECTOR APT FARGO NO 73-80 JUN 0600-0800 PAGE 1 HOURS (L. S. T. Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 ./ 91 • 1 1 1 7 / 77 3 761 75 • 3 . 1 • 3 6 6 24/ 73 • 6 • 1 . 1 10i 10 7.7 71 • 6 • 1 • 6 1.1 • 1 18 18 4 3 7: / 69 1.0 7 . 6 . 1 • 1 31 31 6. / 67 1 - 3 1.5 1.5 1.1 • 1 • 1 56 56 18 13 +6/ 65 1.9 2.4 1.8 1.5 . 8 64 64 25 1.0 +4/ 63 2.4 2.5 2.1 1.8 71 71 41 12/ 61 2.4 4 . 2 3.3 2.4 . 4 • 1 95 95 63 40 59 2.9 2.5 50 •1 2.1 1.7 •6 71 71 82 r / 57 4.2 3.1 1.8 . 3 78 78 76 69 2.1 50/ 55 3.2 2.5 98 65 65 61 4/ 53 2.1 2.8 1.8 54 54 102 77 12/ 51 • 3 2.5 1.4 1.1 39 39 62 84 51/ 49 . 1 1.1 1.4 . 1 74 • 1 60 21 21 47 1.9 •7 19 19 30 67 44/ 45 1.5 15 15 30 58 44/ 43 . 1 14 36 • 3 42/ 41 32 40/ 39 13 3×/ 37 6 31/ 35 1 3-/ 33 TOTAL 3.828.227.519.912.5 6.3 1.5 720 723 720 720 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 4373604 55332 76.912.991 720 5 0 F 1 32 F ≥ 67 F = 73 F - 80 F • 93 F Total Dry Bulb 2630583 60.1 6.694 43253 720 15.6 2.5 90 Wet Bulb 2269795 40193 55.8 6.022 720 3.9 90 . 3

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SE MAL CLIMATOLOGY BRANCH UNAFETAC AI REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

Temp.							BULB .											TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	30: +31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
-81 A7		:		1	1				. 1					i			1	3	3		
PE/ 85		i I	i		1		Ì	• 1			• 1			1			(	2	2	1	i .
-4/ A3		<del></del>		• 1			.7	. 4	. 8	• 3						1		17	17		
2/ 81		i		. 3		.1	. 3	. 4	. 4	. 4	• 1	.) ]				j	ţ	1 15	15		
. / 79				• 3		1.5	.4	1.4	1.0	.7	• 1	<del></del>		1	:	1	1	41	41	:	<del></del>
7:1 77		.1	. 4	. 3	.6	.3	.8		.3	. 4	. 1	.[						32	32	1	•1
71/ 75		<del>                                     </del>	. 3	. 3	1.4	1.3	1.7	1.4	. 7	. 4	<del> </del>	• 1		1		<del></del>		54	54	4	<del> </del>
74/ 73		. 1	- 1	. 7	1.4	1.5	1.4	1.1	1.1	1	i	) )		1 .		1	į	54	54	6	,
71/71		.3	.6	. 7	1.7	1.7	1.4	2.1	. 4						-	<del></del>	<del></del>	63	63	16	
71.7 69		. 4	1.0	1.9	2.1	2.8	2.1	. 8	.3		<b> </b>			{		İ		82	82	26	i i
6:1 67		.4	.7	1.0			1.9					1 - 1		1	_	<del>†</del>	+	69	69	43	1
16/ 65	. 1	1.3	1.0	2.6	2.5		. 7	. 1	}	}		1 1		1	)	}	!	77	77	59	
14/ 63		.4													<del></del>	†	<del></del>	51	51	90	
12/ 61	• 3	1.9	.8	1.1	1							[		[	( i	[		5 3	53		4
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Wet Bulb			4900		432			5.6			20					•0	1.4		<del> </del>		9
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CL. PAL CLIMATOLOGY BRANCH PS4FETAC AT: AEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION STATION NAME 73-80 JUN MONTH

PAGE 1 1200-1400 HOURS 12. 5. 7.

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	» 31	D.B. W.B.	Dry Bulb	Wet Bulb !	Dew Poin
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./ 91										• 1			• 3			•		5	5		
/ 89									. 4		. 3		. 3					10	10		
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~£/ 85				• 1			. 1	.8	1.0	1.3	1.3	. 3		.1	÷	i		36	36		
4/ 83				• 3	• 3		.4						• 3	i		<del> </del>		46	46	·	
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76/ 75			• 1	• 3	• 8										<u>,                                     </u>	1		69	69	3	1
74/ 73				• 3		1.4		1.7		.6	. 4	}		1				5.5	55	17	4
7. / 71			• 3	. 7	• 7	1.5	2.5	1.3	.7	• 3						1		57	57	25	4
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36/ 35								Γ -						T							6
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51.516.693 73.7 8.157 61.8 5.716 37109 720 2112951 Rel. Hum. 2 0 F ≥ 67 F ≥ 73 F - 80 F 71.9 720 49.9 Dry Bulb 3962051 53087 24.4 90 2772110 720 3.1 Wer Bulb 44486 90 2100148 720 90

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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-300

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS JORM ARE OBSOLETE

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	r	j, F	LTA	C				
Δ	7	+	.F.	TH	FR	SERVI	CF / MA	

HECTOR APT FARGO NU

# PSYCHROMETRIC SUMMARY

JUN

STATION	. —			51	TATION N	AME								YE	ARS					MONT	н
																		PAGE	1	1500-	
																				HOURS IL.	S. T.
Temp.							BULB T											TOTAL		TOTAL	
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·L/ 95		[ ]	I		ſ,	[	f '			1		• 3	-			-		2	2		
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Element (X)		ZX'			Σχ		X	<b>₹</b> 2	, <u> </u>	No. Ob	,s				Mean N	a. of Has	urs with	h Temperature	·		
Rel. Hum.												± 0 F		32 F	≥ 67	F	73 F	▶ 80 F	• 93 F	Te	otal
Dry Bulb																					
Wet Bulb																					
Dew Point																					

73-80

SECHAL CLIMATOLOGY BRANCH CF25 ETAC AL WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO ND 73-80 JUN 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) ·4 2.9 5.0 7.5 5.3 6.312.515.415.411.310.6 3.9 1.9 1.7 720 TAL 720 720 ZX Mean No. of Hours with Temperature ZX2 X •, No. Obs. Element (X) z 67 F = 73 F - 80 F 1867889 34575 48.016.991 720 ≤ 32 F 75.4 8.356 62.2 5.725 720 76.1 58.8 30.4 91 Dry Bulb 4146383 54307 2806271 Wet Bulb 44761 720 21.0 9 4.0 9 Dew Point 2057474 38044 52.8 8.108 720 . 4 4 . C 1.0

1 0.26.3 (OL A) PREVIOUS FDITIONS OF THIS FORM ARE OBSOLETE

L 'AL CLIMATOLOGY BRANCH

HECTOR APT FARGO NO

SAFETAC

ATH REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMA**

JUN

STATION					ATION N	AMF								YEA	RS				
				•													PAGE	1 .	1600
Temp.						WET	BULB 3	FMPER	ATURE	DEPRE	SSION (I	F)					TOTAL	-	TOTAL
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5./ 89		İ							• 1	. 4	. 1	. 1	. 3	:	,		8	8	
6/ 87						<del></del>		• 1	. 3			. 1					7	7	
€/ 35							. 1	1.0	. 4	. 4	1.1	!	'	• 3			24	24	
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. / 81			. 3	- 1	. 1	1 .				1.3	• 6	. 3	• 1"		,		43	43	
1 79				• 1	• 1	. 8	<u> </u>				• 8		• 3		·	• •	59	59	1
7./ 77			• 1		. 8	• 8	1 1				• 3	. 4					49	49	7
6/ 75		• 3	• 3	. 3	. 4	. 8				• 8				+			57	57	2
4/ 73			. 1	- 1	. 4	1.3	1.4			. 8	• 1	. 1					61	61	15
72/ 71			. 4	1.7	. 7				. 8	. 4				+			68	68	29
7./ 69		. 1	1.1	. 6						. 3	. 1	1			١		61	61	32
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2/ 61		. 1	1.0	1.0	. 8			. 3				į					30:	30.	8 (
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tel. Hum.			6711	<del> </del>	387		53.8				20	5 0 F	1 1	32 F	≥ 67 F	≥ 73 F	- 80 F	+ 93 F	
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Vet Bulb			1421		439		61.1				20		_{-		16.4	3.1		<b></b>	
Dew Point		207	6383	<u> </u>	382	U 7	53.1	8.4	15		20			• 6	4.0	1.3		<u> </u>	

73-80

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 HECTOR APT, FARGO, NORTH DAKOTA. REVISED UNIFORM SUMMARY OF SUR--ETC(U) AD-A113 156 JAN 82 USAFETAC/DS-82/001 UNCLASSIFIED SBI-AD-E850 137 · NL



SELMAL CLIMATOLOGY BRANCH USAFETAC AIM WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1 -- S14 HECTOR APT FARGO ND 73-80 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300

Temp.	-					WET	BULB T	EMPER	ATURE	DEPR	WET BULB TEMPERATURE DEPRESSION (F)  0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31														
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 2 31	D.B. W.B.	ry Bulb	Wet Bulb [	Dew Poi					
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. / 79			. 4			.7		• 1	. 1	• 1							11.	11							
7,/ 77		. 4	• 3	. 4	. 4	. 8	. 4	. 7	• 8		.1			i i			32	32	1						
6/ 75				. 4	1.0	. 4	• 3	1.3	. 3	. 1	. 1						28	28	6						
74/ 73			• 3	- 8	1.0	1.1	1.9	. 8	• 3	• 3	<u> </u>	L		Ĺ			47	47	3						
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66/ 65	• 1		3.5			1.3	• 6	. 1	<u> </u>		ļ			<u> </u>			82	82		3					
44/ 63		1.4	1.7	1.5		. 8						•	Ì		1	1	6.3	63	1	2					
62/ 61		1.3	1.8			1.0					<b>↓</b>						53	5.3	78	4					
AG/ 59	1	1.0	2.9			1.0	1	. 1			{	1	ĺ				5.5	55	85	3					
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ļ										}		}													
Element (X)	Z <sub>X</sub> <sup>2</sup>		2 x			X TA			No. Obs.		Mean No. of Hours wi					ith Temperature									
Rel. Hum.			0920		491		68.3				20	± 0	F :	. 32 F	≥ 67 F	≥ 73 F	- 80 F	- 93 F	; T	etel					
Dry Bulb			1567		461	53	64.1				20				33.0					9					
Wet Bulb			4129		415		57.7				20				7.9	+	<del></del>			9					
Dew Point	_	204	4516	1	379	66	52.7	7.6	93	7	20				2.9	1.	ומ		[ _	91					

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLE AL CLIMATOLOGY BRANCH .54FETAC ATP WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14514 HECTOR APT FARGO ND 73-80 JUN
STATION STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS IN S. T.

																			HOURS IL.	5. 1.
Temp.										DEPRE							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 7	23 - 24	25 - 26	27 - 28 29	- 30 * 31	D.B. W.B. D	ry Bulb W	et Buib D	Jew Pr
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8/ 47	(	1						•0	<del></del>			• 1	• 1	.0	-		54	54		
6/ 85			[ _ ]	.0	<b>o.</b> k	4 1	.0	_1 _1				- 1	• 0	- 1			100	100	1	
-4/ 93	1	+	• 9	++	++	+	. 3	5 .4	-		• 5	• 2	. 2	• 0	•0		168	168		
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11 79	1	+	• 1	<del> </del>		.6	• 3	• 5	.7	- 5	- 3		• 1		,		214	214	3	
7 - / 77	1 _	. 1	1	1 .1		1 1					- 3	- 1				i	238	238	18	
'E/ 75	1	- 1		<del></del>				1.0				•0			,		297	297	23	1
74/ 73	1	. 1	1 -1	: .		. 8	1.1	1 1				• 1			· 1_	l	324	324	69	2
72/ 71		- 1		4				+				$\overline{}$				<u> </u>	318	318	108	7
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Wet Bulb	<b></b>			<b>—</b> —			'	—								<del> </del>	<del> </del>	<del></del>		
Dew Point	1		,	1		ļ		1	1		- 1		ĺ			<u> </u>				

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### **PSYCHROMETRIC SUMMARY**

4914 STATION		CION	A 1	5	TATION N	ME				73-	<del>•</del> •			YEA	RS				M0	UN NTH
																	PAG	E 2 _	HOURS I	<b>L L</b> L. S. T.
Temp.							BULB 1										TOTAL		TOTAL	
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TAL	2.4	16.3	17.2	12.9	10.5	10.2	8.2	7.5	5.9	4 • 1	3.0	1.0	• 5	• 3	•0		5760	5760	5760	576
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lement (X)		2 **	<u> </u>		ZX		1	•		No. Ob					Maga No.	of Haurs wit	h Tempere	bure		Ь.
tel. Hum.			2465		3727	13	64.7			57		1 0 F	1 1	32 F	≥ 67 F	= 73 F	- 80 F	<del></del>	<del></del>	Tetal
Dry Bulb		2586	1450		3815	76	66.2	10.2	38	57						202.4			. 6	7
Ver Bulb			2915		3361	63	58.4	6.8	96	57					86.5	14.1			1	7
Dow Point		1625	4631		3027		52.6			57	60			2.0	23.1	5.1	T		1	7

SE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14 | HECTOR APT FARGO ND | 73-8D | JUL | MONTH | MONTH | PAGE 1 | DD00-0200

										250056								HOURS IL.	
Temp.		T :	<del></del>	<del></del>	T					DEPRESS				T: - ::T22		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	+	1 1	9 - 10	<del></del>	<del></del>	15 - 16	17 - 18 15	1 . 20 2	1 - 22 23	- 24 25 - 26	27 - 28 29	- 30 ≥ 31	U.B. W.B. D			Jew Po
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/ 77	<u></u> '	اا	• 3						·'							21	21	1	
€/ 75		• 3				1 1		1 1	- , i	$\bar{\Gamma} = 1$		_	-	T 1		30	30	i	
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71	• 5	1 1			1 1		1 1	1 . 1		1		_				54	54		1
1 69	'ــــــــــــــــــــــــــــــــــــ	1.2								+					i	84	84	36	2
/ 67	,	1.1				• 5	5 . 3		• 1	A					,	51	51		3
/ 65	• 3				1.7	1.1		4	( <u></u> )	<u></u>						78	78		
/ 63	• 1	1 1		2.6	1.3	. 4	4		,							71	71	74	
/ 61	·	3.1						[]	'	11					<u> </u>	<b>e</b> 7	87	73	4
/ 59	,	2.2				• 1			, <del></del> ,							70	70	80	
/ 57	!	1.7		1.1	- 1	4'	·'	1		1		$\perp$				45	45	92	9
/ 55	,	1.9	3.1			1	1		1							39	39	91	
/ 53	!	. 8	1.7	1!	1 1	1'	!	1	, '	$\perp$						19	19	59	•
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I. Hum.	_ <del></del>		C364		2 <sub>X</sub>		74 1	<b>12 2</b>		No. Obs.			1 20 6		of Hours with			<del></del>	
							1003	12.2	<del>즐기</del>	74		± 0 F	± 32 F	≥ 67 F	≈ 73 F	≥ 80 F	• 93 F		otel
Bulb Bulb			9828		485			7.0					<del></del>	39.0			<b>↓</b>		
w Point	<del></del>		59501		450			6.2		74			<del></del>	18.1			<del> </del>		
W POINT		290	32334		426	64	5/03	6.90	<u> 5 %  </u>	74				10.4	1.5				

GLOBAL CLIMATOLOGY BRANCH USIFETAC AI: HEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14414 STATION HECTOR APT FARGO ND 73-80 JUL YEARS PAGE 1

0300-0500 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 16 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 21 D.B. W.B. Dry Builb Wer Builb Dew Point 22/ 81 3 / 79 5 7./ 77 • 1 1.2 • 3 13 13 • 1 16/ 75 17 17 74/ 73 . 8 18 18 8 1.1 1.9 721 71 . 9 • 5 39 17 13 39 69 1.7 4.3 . 8 • 1 61 24 1.2 61 11 2.7 5 / 67 3.1 1.6 • 1 64 64 55 31 16/ 65 . 1 3.2 3.0 1.7 69 69 . 1 56 62 . 4/ 63 2.4 2.6 55 55 69 49 3.5 3.6 3.8 62/ 61 90 55 90 63 59 3.5 4.7 +L1 2.4 81 81 50 58 57 Sel 4.8 3.4 70 70 98 66 5<u>5</u> 50/ 2.8 4.0 . 4 57 57 99 85 2.2 54/ 53 3.1 69 41 41 82 2.7 1.1 31 31 60 63 5(/ 49 2.0 17 17 37 3 **1** 4. / 47 7 7 21 59 46/ 45 . 4 . 1 5 5 15 -4/ 43 7 42/ 41 6 4C/ 39 TOTAL 4.235.634.514.8 6.9 2.2 1.2 744 744 744 744 Žz' Zı No. Obs. Element (X) I Mean No. of Hours with Temperature 5025409 60617 81.510.800 744 ≥ 67 F • 93 F 2930710 46396 62.4 7.099 744 7.0 Dry Bulb 27.5 1.0 93 58.8 6.415 13.1 Wet Bulb 43782 2607008 744 1.1 93 Dew Point 2403442 41980 744

56.4 6.837

ö **EDITIONS** PREVIOUS 4 ಠ ò

OBSOLETE

THIS FORM ARE

93

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71 USAFETAC

SECOND CLIMATOLOGY BRANCH CHAFETAC AI- WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 73-80 YEARS MONTH PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

Temp.										E DEPR								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 -	30 ≥ 31	D.B. W.B.	Dry Bulb	Wet Buib [	Dew P
(/ 85										• 1	1			Γ-				1	1		
4/ 83			Ì	İ			• 1	• 3	\$ .:	1			ĺ				1	4	4	. i	
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6/ 75	. 3	3 .3	1.1	1				l .	1					l			1	34	34	3	
4/ 73	• 3	3 .3								1	<del> </del>	<del>                                     </del>	<del> </del> -	+	<del> </del>	$\vdash$		39	39		
2/ 71	. 4	1			1			1	•	1	ļ	1						56	56	23	
/ 69	<u>_</u>	1.5				. 8	• 5	<del> </del>	<del> </del>	<del> </del>	+	<del> </del>		<del>                                     </del>	+	┼		75	75	43	
/ 67	. 1		4.0					ì	i		1	ł	ł	}	İ			91	91	67	
6/ 65	- 3		2.6	3.4	1.5		• 1			+	┼──	<del> </del>	<del>                                     </del>	+	<del> </del>	<del> </del>		79	79		
4/ 63	. 1			4.3				!	1	1		1			1		-	90	90		
2/ 61	— <u>:</u> ;		4.2					<u> </u>	<del> </del>	<del> </del>	<del>  -</del>	<del> </del>		ļ	<del> </del>	├			80		
/ 59		1					ļ		<b>\</b>	1		1		1	1		1	80	1	1	
/ 57	• 3							<del>                                     </del>			<del> </del>	<del> </del>		<del> </del>	<del> </del>			70	70		
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ment (X)		Z <sub>X</sub> <sup>2</sup>	<u> </u>		ž <sub>X</sub>		X	· **		No. O	bs.	<u> </u>	L		Mean	No. of	Hours wit	h Temperat	ute		_
l. Hum.			6773		575		77.4	11.6	04		744	⊴ 0	F	s 32 F	≥ 67	F	≥ 73 ₹	→ 80 F	- 93 F	T <sub>1</sub>	etel
y Bulb		320	15480		485		65.3	6.4	93	1	744				40	.5	12.8		3		-
t Bulb		277	8378		452	64	6D-8			7	744				1 0	1	1.5		1		

FORM 0-26-3 (OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

SLERAL CLIMATOLOGY BRANCH AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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																	- 177			
TAL	. 4	3.1	9.4	14.5	16.9	20.8	14.4	9.9	5.5	3.1	1.2	• 4	• 3				744	744	744	7
5. / 37													)		]		-	1		
2/ 41							ļ			ļ										
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6/ 45	i												)	j			1			
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/ 59		• 1	• 5									+					5	5	83	
4/ 63		. 4	. 8 . 4	• 9 • 7	• 5 • 1	• 3	ľ						Ì				22	22	102	
6/ 65	• 1	. 7	. 9	2.7	2.0	. 4	• 3										5.3	53	103	
1 67		• 5	1.3	. 8	2.8	2.3		• 1									65	65	80	
1 69	]	. 4	2.2	1.3	1.7	2.7		. 8				{				[	76	76	75	
2/ 71		• 1	• 5	1.6	1.5	3.1	1.7	1.6	•1	.1							64	77	58	
6/ 75		• 3	• 3		1.2	2.6				• 1	• 1	J					84	84	14	
1. / 77	. 1		. 5	1.6	2.8	1.9	2.4	1.1	. 4	7	. 1						87	87	9	
7 79	• 1	• 3	- <u>• 1</u>		• 5			1.7	1.3							-	64	64	3	
1/83	ļ	• 3	1	• 1	1.5	.8 1.3		1	8.				}		ļ		31 68	31 68		
6/ 85					• 3	. 7		• 7		. 4		- 1					19	19		
8/ 87						• 1	. 1	• 1	.7	. 3							10	10		
/ 91							ĺ				.1	• 3			1		1 3	1	į	
4/ 93							Ĺ					i	-1			·i	1	1		
6/ 95					· · ·			10 12	10 10			-	. 1				1	1		
Temp.	0	1 - 2	3 - 4	5 - 6	7 - 8						\$\$10N (		23 . 24	25 . 26	27 - 28 29 -		TOTAL D.B. W.B.		TOTAL	Dew
																			HOURS IL.	. s.
																	PAGE	1	0900-	-11

C FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLURAL CLIMATOLOGY BRANCH S'AFETAC AIS HEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

Temp.							BULB .											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>2</b> 31	D.8. W.8.	Dry Bulb V	Vet Bulb	Dew Po
/ 99														• 1				2	2	1	
-6/ 97									i	ŀ	- 1	. 1	İ	. 3	-1			5	5	ł	l
6/ 95										• 1		• 3	. 1	• 1				5	5		
04/ 93									• 3	• 3		•1	- 1		l			10	10	Ì	i
92/ 91							• 1	• 3	. 4	. 9	• 1	. 4	. 1					18	18	-	
/ 89			1				.3	• 9	.9	- 3	.7	. 4	.9				i	33		i	l
8/ 87				• 1	• 1	• 1			• 5			. 8	• 1					52	52		
-6/ 85				• 1	8	1.3	1.2	1.3	. 9	. 9	1.2	1.5	.3	S)				72	72	ļ	
F4/ 83			• 3	. 4	• 8	1.3	1.3	2.4	1.2	3.1	.8	.9	. 1					95	95		
42/ 81				• 3	1.3	.7	1.7	1.2	. 9	. 8	.5	. 3	1				i	58	58	2	
PE/ 79			• 1	• 3	• 8	1.7	1.3	1.9	2.0	1.1	.7	.7		1			ļ —	79	79	8	i
7./ 77			<u>.                                    </u>	. 4	8				2.7	1.2	. 3	.1		j			ŀ	80	8.0	21	
71 75			• 1	. 4	1.2	1.6	1.9	1.1	1.9	.7								66	66	46	
74/ 73			• 1	. 9	. 4	1.3	1.2	1.3		. 3	1							45	45	62	1
72/ 71			- 4	. 7	.7			1.6	. 4		]		]	I				49	49	58	
71/69			. 4	1.2	• 5	1.1	.7	. 9	Ì					1				36	36	75	4
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54/ 53				<u> </u>		[		Ĺ			Ĺ	Ĺ	Ĺ				İ	<u></u>	L	l	5
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4./ 39								]		I											
3-/ 37						L				L	L			1	<u> </u>			<u> </u>	}	_ ]	
31/ 35																					
Element (X)		Z <sub>X</sub> '	<u> </u>		Ż <sub>X</sub>		X	•		No. Ot	9.				Mean N	io. of H	ours wit	h Temperat	ure		
Rei. Hum.												₹ 0	,	≤ 32 F	z 67	F	73 F	- 80 F	● 93 F	7	Total
Dry Bulb																					
Wet Bulb																			1	1	
Dew Peint													T			$\neg  o$				<del></del>	

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

14514 STATION	HECTOR APT FARGO ND	73-80	JUL
		PAGE 2	1200-1400 HOURS (L. S. T.1

Temp.											SSION (								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 2	B 29	- 30	≥ 31			Wet Bulb	Dew Par
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Element (X) Rel. Hum.		2 X1	2129		2 x 372	27	X 50.0	7,			44	= 0		32 F		7 F	_	73 F	Tempera	* 93	. ,	[etal
Dry Bulb			1550		594		79.9				44		-+-	- J2 F				77.5			. 8	9
Wet Bulb		770	0122	<del>                                     </del>		60	66.7	5.4	10		44		-+-		<del>7</del>	5 . 5	-	17.4	770	3	• •	9
Dew Point			4415		436	-	58.6	7.0	* 7		44					7.0		3.8		1		9

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SLUBAL CLIMATOLOGY BRANCH USASETAC AIS WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14514 HECTOR APT FARGO ND 73-80 JUL

STATION STATION NAME YEARS MONTH
PAGE 1 1500-1700

Temp.		_				WET	BULB '	FEMPER	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb 1	Vet Bulb	Dew P
2/101																• 1	• 3	3	3		
100/ 99										ļ		. 1	j	ļ	- 1	• 3	1	4	4		
CE/ 97										• 3	• 1			• 1				4	4	1	
°6/ 95									• 1		. 8	1.1	. 4		• 3		<u> </u>	20	20		_
04/ 93								• 1	. 4									18	18	Ī	
41/ 91								• 5				• 5	1	1	. 1			29	29		
0./89					. 4		. 4					1.5			1			61	61	1	
88/ 87		1			- 1	. 7						1.5						60	60		
°6/ 85					• 5	1.6			1.2					1	i			75	75		
:4/ 83				- 4					• 5			1.1	.4	<del></del>	ll			61	61		
F2/ 81		1 1			• 3	• 5						- , 9	1	1	] }		,	92	92	3	
at / 79		1			- 8							• 4	Ļ		-		<b> </b>	78	78	10	
7-1 77			ا ا	• 3	. 4	• 7		. 9	l .		4		ł	1			1	58	58	25	
76/ 75			• 1	• 7		• 3		1.6					<b> </b>	<u> </u>			ļ	48	48	55	
74/ 73		1 1	• 1	• 4		. 4		1.2	1		- 3		1	1	1			35 35	35	54 51	
72/ 71	——	• 1	• 5					• 3		<del>'</del>			<del> </del> -					36	35	54	
68/ 67		• •	• 5				1.1	• 7		Į.			ĺ		ĺĺ		[ ]	15	15	113	
66/ 65		1.7	• 3	-	. 3	• 3	• 5		<del> </del>				<del> </del>	<del> </del>	<del>  </del>		-	7	7	87	
64/ 63		.3											l		1 1			2	اد	90	
62/ 61		- 4					L	<u> </u>	<del> </del>	<del> </del>		<u> </u>		<del> </del>				3		99	
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55/ 57		+	-						<del>                                     </del>				<del>  -</del>							30	
56/ 55			}			ļ			1					i	1					12	
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Element (X)		2 12			Z X	I	X	•,		No. Ot	8.		<u>.                                    </u>	·	Mean N	o. of H	ours with	Temperat	ure		
Rel. Hum.												± 0	F	≤ 32 F	≥ 67	Fe	73 F	≥ 80 F	• 93 F	1	etal
Dry Buib								L	_							4_			<b></b>		
Wet Bulb				ļ											L						
Dew Point				ſ		i		ı	- 1				1		l	Į			J	ı	

2 SAFETAC

ATH WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14414 HECTOR APT FARGO ND STATION NAME

73-80

MONTH

PAGE 2

1500-1700 HOURS IL. S. T.

Temp.						WET	BULB 7	EMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TAL
(F)	0	1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	7 - 30 + 31	D.B. W.B. C	ry Bulb We	Bulb Dew Po
î]∆L		1.5	2.2	3.2	5.6	8.1	14.7	14.0	14.1	11.3	9.8	8.5	4.7	1.2	• 5	.4 .	744	744	74 744
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el. Hum.	<b> </b>		4388		3465	2	46.6	15.1	47		44	± 0 1		32 F	≥ 67 F			● 93 F	Total
ry Bulb		499	2124		6069	6	81.6	7.3	83	7	44					5 80.	8 57.6		
fet Bulb			3075		4976	9		5.6			44		$\bot$			9 18.			
Dew Point	L	254	5646	Ĺ	4305	8	57.9	8.5	03	7	44		- 1	}	16.	8 4.	D)	J	9

ISAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ULIMAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMAR'**

1-914 HECTOR APT FARGO ND 73-80 JUL STATION HINGM PAGE 1 1800-2000 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 \* 31 D.B. W.B. Dry Bulb Wet Bulb Dew Por 2/101 1 • 1, 1 100/ 29 . 1 6/ 97 • 1 6/ 95 93 . 3 8 77 91 . 3 13 .8 / 89 . 1 • 1 24 24 . 1 8/ 87 1.1 44 44 40 49 61 85 • 1 1.1 1.6 • 1 4/ 83 1.2 1.5 1.5 • 5 70 70 . 4 . 7 • 1 Fa/ 81 3 1.1 1.1 1.2 71 71 1.3 2.3 1.3 2.2 84 / 79 2.6 84 7/ 77 1.5 2.2 71 15 1.2 1.9 71 2.7 6/ 75 1.1 1.1 1.6 1.5 72 72 47 74/ 73 1.7 2.0 1.5 1.3 67 67 56 11 . 9 72/ 71 1.2 38 43 1.1 38 . 7 7: / 69 1.9 1.5 4 3 63 . 1 • 1 6. / 67 1.2 47 47 1.3 81 1.1 . 8 105 51 16/ 65 . 4 22 22 14/ 63 . 3 . 4 12 12 91 F21 61 2 99 4 ( +L/ 59 65 ' / 57 • 1 43 6 7 5: / 55 20 5 4/ 53 51 EU/ 49 4. / 47 4: / 45 24/ 43 42/ 41 40/ 39 3 / 37 Element (X) ZX ZX Mean No. of Hours with Temperature Rel. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F → 93 F Total Dry Bulb Wet Bulb Dew Point

ETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LEMAL CLIMATOLOGY BRANCH CONFLITAC AIR MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14 -14 JUL HECTOR APT FARGO NO 73-8C STATION YEARS 1800-2000 HOURS ... S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 +31 D.B. W.B. Dry Bulb Wer Bulb Dew Point +4 2-0 5-4 5-4 9-1 14-5 16-4 15-9 13-6 7-7 4-8 2-2 1-5 9 1 -1 7-44 7-44 (F) 77.716 744 No. Obs. Element (X) X Mean No. of Hours with Temperature Rel. Hum. 2256977 39301 52.815.605 744 2 67 F 2 73 F 2 80 F 2 93 F 20 F Dry Bulb 4574718 58096 78.1 7.173 744 88.3 72.3 40.6 1.6 93 3262905 49081 66.0 5.809 Wet Bulb 744 39.5 16.1 • 6 93 58.4 8.326 Dew Point 2586789 43431 744 18.4 3.5 • 3 93

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

IL FAL CLIMATOLOGY BRANCH CONSTITAC ATH REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 73-80 PAGE 1 2100-2300

																-	HOURS .L.	
Temp.										DEPRESSION					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29 -	- 30 ≥ 31	D.B. W.B. D	ry Bulb 1	Her Bulb f	Dew Poir
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./ 95		į	( )	1 '	1 '	• 3	3 .5	- 1	1						8	8	:	
4/ 83			- 1					. 8	• 3	4			1		21	21		
1 51		1 _ '	• 1	1!		1.5	5 .8			4 <u>[</u>					27	27	_	_
2./ 79			• 1			. 9	9 • 3	5 . 7	. 8	1					33	33	1	
7 / 77		. 4	. 4			3	. 9			.		-1			49	49	9	_
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74/ 73	• 3	札ˈ	1.2		1.3					1				_ !	60	60	37	_
7. / 71		. 3	1 1	1.3	2.8		1 1	1 1		1					74	74	45	
76/ 69		. 1			3.1										6.8	68	54	
1.167		. 4	1 - 1												78	78	47	56
6/ 65		1.1							ı′						78	78	76	54
14/63	• 1	1.5	1 1				1 1	( )	<i></i> '		7				72	72	8 9	_
12/ 61	1				1.3			<u> </u>	I'	1			<u> </u>		49	49	79	4 ]
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5./ 49		<del> </del> '	<b></b> I	<u>'</u>	<b></b> '	<del></del> '	1	<b>↓</b> !	——'				1		<del></del>		6	5
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41./ 45		<u> </u>	<b></b> '	1	<b></b> '	<del> </del> '	<b>↓</b> '	<b></b> '	<b></b> '	<del></del>			<del>                                     </del>			<del></del>		1
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TAL	B	6.9	17.3	24.5	20. 7	15.2	7.5	5.1	2.0	4			<del> </del>		<u> </u>	744		74
			1	] '	'		1	1	1 '					į '	744		744	
		<b></b>							 		1							
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		-									+++							
lement (X)		ZX,			Σχ		_ ₹	•		No. Obs.	<u> </u>		Mean No. c	f Hours with	h Temperatur	•		
el. Hum.		357	79843	4	506	,87	68.1	13.0	56	744	± 0 F	≤ 32 F	≥ 67 F	≥ 73 F	+ 80 F	• 93 F	T	Cotel
ry Bulb		365	1167	1	518			7.1		744			59.8	32.3	9.0			9
Vet Bulb		296	1464	·[]	467	/14	62.8	6.1	83	744			25.4	7.1	. 1			9
Dew Point		254	5691	,	433			7.3		744			14.8	2.8	,	$\overline{}$		9

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLABAL CLIMATOLOGY BRANCH GLAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION	HE	CTOR	APT		TATION N					73-	<u> 80</u>			YEA	95					JL	UL_
																		PAGE	1		LL
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F	)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26 2	7 - 28 2	9 - 30	• 31	D.B. W.B. (	ry Bulb	Wet Bulb	Dew Po
2/101						T										• C	.1	4:	4		
100/ 99					<u></u>							• 0		• 0	• 0	.1		71	7	i	
· / 97				l	İ					• 0	• 1	• 0	Ì	• 1	• 0			11:	11		
6/ 95				ļ	l	Ĺ			• 0		• 1	• 2	• 1	• 0	• 0	· - <b>-</b> -		27	27	·	
4/ 93			ļ	Ì	į		_	• 0	• 1	- 1	• 2	• 1	- 1	• 0	-1			37	37		
1/ 91				L	L	<u> </u>	• 3		• 2	• 3	- 1	-1	.1	• 1	.0			61	61		
./ 89			[		1 • 1	l _	- 1	- 4	. 4	• 2	• 3	• 3	• 3	• 0	i		)	121	121		
8/ 87			<u> </u>	• 1			. 4		• 3		- 4	• 3	• 1	- 1				167	167		
E/ 85			• 0	1				• 5	. 4	• 5	• 4	• 4	• 1	• 0				224	224		
4/ 83			• 1	• 2		+	• 6		• 5		. 4	• 3	• 1	•0				284	284		
./ 81	_	•0	,		1	, ,	1.1	- 8	• 9		• 4	• 2	• 1	ļ		1	:	328	328		
4. / 79	•0		. 2				• 7		1.1	• 7	. 3	-1			1			364	364	30	
7 77</td <td>• 0</td> <td></td> <td>• 2</td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td>. 9</td> <td></td> <td>. 2</td> <td>• 0</td> <td>İ</td> <td>i</td> <td></td> <td></td> <td>- 1</td> <td>397</td> <td>397</td> <td>- 1</td> <td>_</td>	• 0		• 2			1		1	. 9		. 2	• 0	İ	i			- 1	397	397	- 1	_
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74/ 73	• 2	• 1	. 7	_		1 7 2	• 9		. 4	• 1	• 0	- 1	1	!	1		1	387	387		9
7.1 71	• 3	• 3					• 9		<u>• 2</u>	•0	<del></del>					<del></del>		409	409	328	12
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16/ 65	• 1	. 9			+		- 5	•1	• 0						+			435	435	591	33 47
	• 1						• 1	• 5			1	}		ł	1	1		394	394	661	
64/ 63 cz/ 61	1	1.2			<del> </del>		- 1					<del></del>		+	i	<del>-</del>		323	330	679	37
€. / 59	• 1	1.1	1.9	l		1 _1				. 1					i	- !	1	258	258	590	49
5: / 57	• 1	1.0			-							+			+			168	168	542	60
5.7 5	.1	9			1 -	1					[	- 1	i					138	138	392	64
64/ 53	-:1	• 7				1					<del>-</del>	-+						83	83	229	53
12/ 51	.1	_		. 1	1	{		}	i .	}	1	1	1	1	ļ	1	}	57	57	141	44
50/ 49	<del></del>	.4			<del>                                     </del>	<del>                                     </del>								-+	-+	<del></del> +		28	28	73	47
4./ 47	• 0							[ [			- 1		- (	- 1	Í	ţ	ĺ	13	13	35	29
4 / 45	•0				<del> </del>	<del>                                     </del>												7	7	12	13
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46/ 39			}	ļ	ł	1				) ]	1	]	ļ	j	1	1		ļ		, 7	2
3 / 37					$\overline{}$					-			$\neg \uparrow$								
7/ 35				1		1 _	_				- 1	{	ł				1		-	. 1	
Element (X)		Σχ'			ZX		X	<b>₹</b>	7	No. Obs	. ]				Mean No	of Hou	rs with	Temperatu			
Rel. Hum.												: 0 F		32 F	≥ 67 1	• 7	3 F	- 80 F	≥ 93 F	·	leta i
Dry Bulb													$\perp$								
Wet Bulb																$\Box$					
Dew Point																T					

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLO-AL CLIMATOLOGY BRANCH GRAFETAC AID REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 - /14	нЕ	CTOR	APT	FAR	GO N	D				73-	80									J	UL
STATION	_			5	TATION N	AME								YE	ARS						
																		PAG	E 2	A	LL
					_															HOURS	L. 5. T.)
Temp.						WET	BULB .	TEMPER	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>≥ 31</b>	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poin
7-116	1.3	11.1	17.2	14.1	11.5	10.9	9.2	7.9	6.1	4.1	2.8	2.1	1.0	• 3	• 1	• 1	• 1	5952		5952	
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Rel. Hum. Dry Bulb			0613		3821	56	64.2				52	20	<u> </u>	32 F	≥ 67		73 F	> 80 F			Tetal 744
Wet Bulb			2918		3776		63.4			59	52		+-					182.		• 5	744
Dew Point						74	E 0 0	7 2	30											<del></del>	744
PEW POINT		2034	9166	<u></u>	3451	30	58.0	1.5	11	29	52				10/	• 5	19.4	•	4		744

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CHAFETAC AIL WEATHER SERVICE/MAC

GLCHAL CLIMATOLOGY BRANCH

### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME YEARS MONTH
PAGE 1 0000-0200

<del></del>										05000		·							HOURS	. <b>5.</b> T
Temp.			<del></del>				BULB							-T	-1		TOTAL		TOTAL	
(F)		1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16			21 - 22 23	3 - 24 25 -	26 27 - 2	8 29 -	30 × 31	D.B. W.B. D	ry Bulb	Wet Build (	Jew P
3/ 89						•	1	[	۔ ا	• 1	1	1 1		1	1		. 1	1.		
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4/ 83						i	١.	• 1			1			1	İ	1	4	4		
2/ 31 F:/ 79		<u> </u>				<del> </del>	• 1	• 1	• 3		<del> </del> -	<del>  -</del>			<del></del>	<del></del>	<del></del>			
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74/ 73		. 3	• 4	1.2		l			]	1			1	i	1	ļ	11	11		
7. / 71		.1	1.3			. 4			<del> </del>	<del>                                     </del>		<del>  -   -</del>		-	+		28	28	14	
70/ 69		. 8	_						1	1				İ		İ	48	48	20	
6: / 67	• 3							• 3		<del> </del>		<del></del>			+-	<del></del>	63	63	27	
6/ 65	• 3	1		3.4	1.1					1	}	}	j				75	75	58	
4/ 63	• 1						<del>*</del>		<del>                                     </del>		<del></del>	<del>                                     </del>	<del></del>				80	80	64	
2/ 61	• •	3.4							ļ	ļ	j					)	81	81	77	
61/ 59	.1					_			<del> </del>	<del>                                     </del>		<del>                                     </del>			-	<del></del>	71	71	82	
5/ 57	.3	1			.7		1		}	ł	}		l				62	62	77	
5: / 55		2.3	1.6					-	<del></del>	<del>                                     </del>		<del>                                     </del>			+-		55	55	75	
4/ 53		2.6				í	ï	Ì		ľ	i	1 1		l			55	55	75	
2/ 51		1.2			_ <del></del>				<b>†</b> – – –	-					+-	+	21	21	53	
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TAL	1.3	24.6	31.0	22.4	9.1	5.1	3.4	1.3	1.3	• 3					1			744		1
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j						]		]			]									
lement (X)		ZX			Z X		X	•,		No. Ot	9.	<del></del>		Me or	No. of	Hours wit	Temperatu	re .		_
el. Hum.		442	2689		565	17	76.0			7	44	± 0 F	≤ 32	F 2	57 F	≥ 73 F	≥ 80 F	• 93 F	T	ote i
ry Bulb			0927		463			7.5		7	44			2	5.3	7.9	1.9	I .		
fet Bulb		250	5824		429	10		6.4		7	44				7.8	• 1				
Dew Point		222	8073		403		54.2			7	44		T		4.4					

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SE MAL CLIMATOLOGY BRANCH J LE LTAC A: MEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND STATION

73-80

AUG MONTH

PAGE 1

YEARS

0300-0500

																	PAGE	. •		(L. S. T.)
Temp.										DEPRESSI							TOTAL	, <del></del>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8					17 - 18 19		- 22 23 -	24 25 - 2/	6 27 - 28	29 - 30	≥ 31	7D.B. W.B.	Dry Bulb		
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-4/ 83	ļ	1 1	1	1	1	1	1 1		. 3	1	1			1	1		2	2	4	i
/ 79		1				1		$\overline{}$	• 1	<del></del>			1	1		<del></del>	1	1		
7 / 77	1	1 1	• 1			. 3	ال	• 1		1					1	i	5	5	ا ار	i .
761 75			. 4			<del>+</del>		. 4					<del></del>	†		1	14	1		
74/ 73	ļ	- 1	1.2		1 1			1	1	1			+	1	1		18		f I	3 1
7./ 71		- 1			1	+	1 .1		1 7					+			13	<u></u>		
7. / 69	• 1	1.2	1.3	3 . 4	1 1	1 1			1			1	}	1	1	1	33	1	20	9
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6/ 65	. 4	11			. 8	4!	.4	1	ı	1 1		1		<b>+</b>	}	ì	64	64		
4/ 63	. 3				. 4	- 3	A		,				+	+			75			1
2/ 61	. 4	3.6	2.8	3 . 7	1 1			r J		1 1	L	l		1	1	ĺ	69		60	1
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21 57	• 5	4.7	2.6	1.3	. 4	4 }	1!	1 _J	ı '	1				_!			71		1 :	1
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4/ 43	• 1				1				,			_	1	†		:	10			
12/ 41	_!	. 4	4!	1	1!	1'	11	(J	('					i'		1 _	3	3	_	1
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31./ 37	_!	11	$()^1$	1	[!	('	1 1	( _)	( , '	$\perp$	1	1		1	1	i	+ 1	1 ,	1	1
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		$\longrightarrow$	<del> </del>	<del> </del> !	<del>                                     </del>	<del></del> '	1	$\leftarrow$	·'	+			<del>- </del>	4	<b></b>	<del> </del>	+	<u></u> '	1	-
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lement (X)		ZX'		<del> </del>	ZX	—	X	-	$\top$	No. Obs.	<del></del>			Mean F	No. of H	lours wi	th Temperate	ivre	<del></del>	
el. Hum.			75786		602	22		11.67		744	<u>,                                    </u>	10F	2 32 F			≈ 73 F	- 80 F	+ 93 F	F	Total
Dry Bulb			8719		443			7.64		744				16		5.1	<del></del>			9
Wet Bulb			0676		417			6.90		744	-				•0	. 4	<del></del>	1		9
Dew Point			11571		398			7.41		744					.1	• 1		+		<del></del> 9

S FORM ARE OBSOLETE

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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GLUSAL CLIMATOLOGY BRANCH : AFETAC AIN WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO ND 73-80 AUG
STATION STATION NAME YEARS PAGE 1 0600-0800 HOURS ILL S, T.1

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B. C	ry Bulb	Wet Bulb	Dew Point
c/ 85			<u> </u>						. 1		1			1			1	1	1		
4/ 93		Ì	1			1	1		. 3		1						1	2	2		
c./ 81				• 1									<b>†</b>	1			<del></del>	1			
H. / 79		l	İ			. 1	1			!	}		1	1	,		!	1	1		
7.1 77			.1	• 1		• 1				<del>                                     </del>	<del>                                     </del>	1-	<del>                                     </del>	†			<del>-</del>	3	3		
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74/ 73			1.3		• 1			• 1				1	1				;	13	13	2	
72/ 71		.5				1		. 3					1				t t	27	27	9	
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14/ 63	• 5										}	}	}		)		}	84	84	67	Į.
(2/ 61	• 1																1	77	77		
66/ 59	- 1	4.7					ì					1	l	}			1	89	89	81	75
F: / 57	• 5	3.4	4.2			• 1		·										74	74	94	
51/ 55	• 5	3.2	2.8								1	1	1		[ [			62	62	98	83
64/ 53	•1	3.0															1	44	44	75	76
[ 2/ 51	• 1	1.7	1.5	• 3	1							ł						27	27	59	57
56/ 49	• 1	1.2																26	26	34	81
4:/ 47	• 1	1.6	. 3	]		]					<u></u>	L					1	15	15	34	51
41/ 45	• 1	1.2	• 1									1	T					11	11	26	4 C
44/ 43	. 1	_ • 5	• 1			ł	l			<u> </u>		<u>L</u>	ļ				1	6	6	11	28
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Element (X)		Z x 2	<u> </u>		ZX	<u></u>	¥	•	<u></u>	No. OI					Maga M	n of 4	laura miss	Temperatu			
Rel. Hum.			3298		596	22	80.1				44	= 0		± 32 F	#e 67		73 F	* 80 F	• 93 F		Tetal
Dry Bulb			4856		452		60.9				44	<b>├</b> ── <b>ॅ</b>	<del>`  -</del>		18		4.3		<del></del>		93
Wet Bulb			5994		425		57.2				44	<b></b> -				. 5	7.3	•••	<del> </del>	_+	93
Dew Point			4557		405		54.5				44					-1	• 3	<del> </del>	<del> </del>	<del></del>	93
DOW FOINT		664	700/	L	<u> </u>	77	37.0	000	0 J		77	L	1			<b>● &amp;</b> l		L	1		

FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ULIFAL CLIMATOLOGY BRANCH ULAFETAC Ale Heather Service/Mac

#### **PSYCHROMETRIC SUMMARY**

1:414 HECTOR APT FARGO ND 73-80 STATION STATION NAME MONTH PAGE 1 0900-1160 HOURS IL. S. T. TOTAL WET BULB TEMPERATURE DEPRESSION (F) (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Sulb Wet Bulb Dew Point 16/ 95 . 1 4/ 93 121 91 . 1 1 1 ·. / 89 . 1 . 1 4 8/ 87 • 1 . 1 6 6 <sup>⊥</sup> ቲ/ 85 12 12 . 1 44/ 83 • 3 • 1 15 15 ./ 81 • 5 . 1 19 19 . 8 79 • 5 34 34 • 7 1.1 7 / 77 . 7 42 42 76/ 75 1.3 49 1.1 49 74/ 73 1.5 2.3 65 65 18 7.7 71 1.9 2.2 1.3 81 81 31 6 \_/ 69 . 7 2.2 86 2.2 86 44 3.4 1.6 22 67 1.5 1.9 1.9 1.2 64 67 64 34 16/ 65 2.6 2.4 84 84 82 35 1.6 1.2 •4/ 63 1.3 1.3 1.2 55 55 100 61 1.7 2.2 ./ 61 1.2 95 1.5 54 54 68 .. / 59 1.1 1.1 34 34 81 73 . 9 6:1 57 . 4 16 16 68 69 . 3 55 . 3 69 12 12 85 <u>•</u>5 . 4/ 53 8 46 64 12/ 51 23 54 11/ 49 53 4./ 47 32 41/ 45 37 44/ 43 29 42/ 41 13 4 / 30 6 3 / 37 TOTAL 1.3 5.915.218.317.316.411.0 7.3 3.1 1.9 1.1 744 744 744 744 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 3234381 47669 64.115.572 744 ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F 69.8 7.396 51926 744 3664720 31.1 9.4 93 60.0 Dry Bulb 61.8 5.760 Wet Bulb 2864534 45966 744 20.6 2.9 93 56.3 7.288 Dew Point 2396448 41876 744 93

ATH WEATHER SERVICE/MAC

CAFETAC

HECTOR APT FARGO NO STATION NAME

SERPAL CLIMATOLOGY BRANCH

73-80

PAGE 1

**PSYCHROMETRIC SUMMARY** 

1200-1400

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
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USAFETAC FORM ARE OBSOLETE JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO AUG 73-80 PAGE 2 1200-1460

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Dew Point			4201	-	414		55.4	8.3	41		44		+		9.8				93
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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH GSAFETAC AI- REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO NO STATION NAME

73-80

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PAGE 1

1500-1700 HOURS IL. S. T.

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Dry Bulb								<del>                                     </del>	$\neg \vdash$							+			1	$\neg$	
Wet Bulb									_							+			1	$\neg$	
Dew Point				<del></del>				<del> </del>			$\overline{}$		$\overline{}$	$\overline{}$		+			+		

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

#ECTOR APT FARGO ND 73-80 AUG MONTH

STATION STATION NAME YEARS PAGE 2 1500-1700 HOURS (L. S. T.)

Temp.					_					DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Buib	Wet Bulb	Dew Por
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FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECHAL CLIMATOLOGY BRANCH MISSETAC AIS MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 73-8C PAGE 1

Temp.						WET	BULB 1	TEMPER	ATURE	DEPR	ESSION	(F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 . 26	27 - 28 2	9 - 30 * 3	D.B. W.B.	Dry Bulb		ew Point
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72/ 71			1.1	. 7	1.3	2.7	1.7	1.6	• 3		<u> </u>	Ĺ			<b>_</b>		72	72	25	8
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61 67	• 3	. 4	. 8	• 5		. 8				<u> </u>	<u> </u>				<u> </u>		47	47	79	29
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46/ 41								<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>					22
40/ 39	ĺ		i					1	l		İ		1	1	1 1		1 1			21
7:/ 37					_				<del>                                     </del>		<del>                                     </del>		$\vdash$	t-	† †		<del>-    </del>		<del> </del>	9
7/ 35	ĺ							1			i			Ì			1 1			6
Element (X)		Z X'			Z X		X	<b>₹</b>	$\top$	No. O	bs.				Mean No	o. of Hours	with Temperati	JT 0		
Rel. Hum.												≠ 0	F	≤ 32 F	≥ 67 1	F 273 F	• 80 F	• 93 F	F T	otal
Dry Bulb																				
Wet Bulb																				
Dew Paint																				

ETAC FORM O.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UE FATICLIMATOLOGY BRANCH IN PLTAC AI REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14-14 HECTOR APT FARGO ND 73-80 AUG STATION STATION NAME MONTH 1800-2000 PAGE 2 
 WET BULB TEMPERATURE DEPRESSION (F)
 TOTAL
 TOTAL

 0
 1 ⋅ 2
 3 ⋅ 4
 5 ⋅ 6
 7 ⋅ 8
 9 ⋅ 10
 11 ⋅ 12
 13 ⋅ 14
 15 ⋅ 16
 17 ⋅ 18
 19 ⋅ 20
 21 ⋅ 22
 23 ⋅ 24
 25 ⋅ 26
 27 ⋅ 28
 29 ⋅ 30
 ≥ 31
 D.B. W.B. Dry Bulb Wet Bulb Dew Point
 (F) 3-/ 33 12/ 31 12/ 29 TAL .5 3.1 9.113.513.014.814.514.0 9.1 3.9 2.7 1.9 1.2 . 8 No. Obs. Mean No. of Hours with Temperature Rel. Hum. 55.816.791 744 : 0 F 2 67 F 2 73 F 80 F 93 F 2521989 41479 Total ≤ 32 F Dry Bulb 4025457 54375 73.1 8.324 744 72.5 48.9 20.1 93 62.4 6.125 55.1 8.364 46454 Wet Bulb 2928378 744 25.5 5.3 93 Dew Point 744 2306855 8.1 93 . 6

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GELFAL CLIMATOLOGY RRANCH - AFETAC ATT - AEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION	HE	CTOR	APT		GO N	_				73-	28			VF	ARS				AL	าิดี
														-	-		PAGE	1 .	21 ng-	-235
Temp.		,			-					DEPRE							TOTAL		TOTAL	, ·
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22		•	27 - 28 29 -	30 * 31	U.B. W.B. D	bry Bulb W	fer Bulb I	Dew P
7 91		Ì			!							. 3	• 1				1	1 2		
/ 89										•	• 3	• 3					2	<del></del>		
8/ 87		i				i I	1		. 1		. 1	. 1		i			3	3		
· t / 85					-	• 1	.1	•1	 	. 5			<u> </u>	•			7	7		
4/ 33			i i			.1	. 3	. 3	. 3		• 3			_			12	12		
1 91			Ī		• 1	I		• 1			• 1				•		12	12		
/ 79				. 4	. 4			. 4									14	14_		
7 / 77				. 4		ı	• 7	• 5	1 .	• 1		ļ					20	20	_	
76/ 75 74/ 73		• 1	• 3	• 5					• 1				-			<del></del>	20	20	<u>.</u> .	
7, 7, 71		• 3	• 5 • 8	1.1	• 9 • 8		,	.8 .1	• 5	1	. 1						39. 49	39 49	17	
7 / 69		• 5		1.9	3.6			.7	. 3	•	• •		<u> </u>	•	· · · · · · · · · · · · · · · · · · ·		80	82	16	
6.1 67	. 4					1		.7		1		i	i				83	80	75	
.6/ 65	• 4	+	3.2				. 8	• 1		:	•			•	·		92	8.2	, 9	
. 4/ 63		1.7	2.8	2.8	1.3	1.1	. 1	• 1									75	75	74	
12/ 61	• 1	2.3	2.0	1.9	1.6	.7	• 1			i						_ +	65	_ c ^	E 4	
4./ 59	• 3		2.0		1.9					L				<u> </u>			48	48	91	
1. / 57		• 5	2.8		. 7	• 5								L			49	49	71,	1
5// 55		. 7	1.5	. 9	1.1				-								33.	33	6.8	
14/ 53 12/ 51		1.2	• 9	1.7	• 1	• 1			ĺ								31	31	63	
50/ 49		.1	. 4	• 1		! 								-			11	11	30	
4-/ 47		. 3	• •	• 1													. 3;	3	26:	
4: / 45		• 1	• 1							<del>                                     </del>				<u> </u>			2	2	5	
44/ 43		. 1								ĺ				<b>i</b>			1.	1	1	
62/ 41																		•	3	
45/ 39		<u></u>												L						
3 / 37															į	i İ	:		i	
7- / 35						ļ				<u> </u>						$\rightarrow$		i		
-1/ 27 - TAL	, ,	12 0	22 7	27 0					١,,,	1.6	. 9				j	i i		744	1	_
	1 • 2	12.0	2201	23.0	1 / • 6	7.0	7.0	7.0	1.07	1.0	• 7	. 4	•1	<del> </del>			744	744	744	
						<u> </u>									<u>i</u>					
Rel. Hum.		2 X1	2107		2 x	10	<u>X</u>	15 0		No. Ob				. 22 -	$\overline{}$	Hours with		<del></del>	-	
Dry Bulb			2197 2538		514 491		69.1 66.0				44	± 0 1	-	: 32 F	≥ 67 F	• 73 F	- 80 F	• 93 F		otal
Wet Bulb			3739		443		59.6				44				12.9	2.3	9.1	<del>  •</del>	*	
Dew Point			1377		408		55.0				44		-+	•1		• 1		<del> </del>		

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CLUBAL CLIMATOLOGY BRANCH > AFETAC

AIF MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

16914 HECTOR APT FARGO NO 73-80 ALL PAGE 1 HOLRS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin (F) : /105 •0 2 2 ~/103 4 2/101 •0 • 1 6 6 0/ 99 • 0 • 1 6 6 48/ 97 . 0 .0 967 95 . 1 .0 23 23 . 1 93 -- / • 1 . 0 . 1 •0 28 28 .. / 91 29 . 1 • 0 . 1 29 . 1 •0 · / 89 • 1 • 2 . 1 • 1 .1 . 1 61 61 887 87 .0 . 0 .0 95 95 7/ 55 116 116 • 1 • 1 . 4/ 83 147 147 - 1 ./ 81 • 6 177 177 <u>.</u> 3 79 . 2 . 0 . 3 . 6 • 6 . 8 . 7 . 2 <u>•</u> 1: .0 269 269 3 7.1 • 3 77 • 1 . 4 • 6 •1 278 278 21 7t/ 75 . 8 . 7 • 5 • 3 1.0 349 349 • 0 72 . 9 • 8 345 74/ 73 . 8 . 1 345 125 22 - 1 . 6 1.0 • 6 7.7.71 1.0 374 374 183 . 1 55 7.1 69 1.7 1.1 1.5 . 8 • 8 • 6 444 444 310 138 67 • 5 1.8 1.3 1.2 . 7 . 6 . 5 . 1 418 418 438 204 161 65 1.4 2.2 2.0 . 8 • 7 492 492 247 543 14/ 63 . 8 1.9 2.0 1.7 . 7 . 2 462 462 604 368 - 27 61 1.9 1.8 1.3 1.1 . 2 674 411 411 • 6 438 £ . / 59 1.8 1.8 365 365 666 516 = 1 / 57 1.5 2.0 • 2 • 3 299 299 583 64C 5.7 55 . 1 1.4 . 8 . 1 252 252 506 6 C 8 4/ 53 • 1 1.3 192 192 . 8 • 2 435 483 12/ 51 . 1 98 98 280 431 . 0 5.7 49 - 6 • 7 81 81 184 506 .7 4: / 47 174 56 56 323 4. / 45 • 1 95 . l • 6 46 46 348 36 44/ 43 . 2 . 1 18 18 271 42/ 41 17 166 106 Element (X) ŽX Žχ No. Obs. Mean No. of Hours with Temperature ≤ 0 F Rel. Hum. ≤ 32 F ≥ 67 F ≥ 73 F ≥ 93 F Total Dry Bulb Wet Bulb Dew Point

C FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SELMAL CLIMATOLOGY BRANCH USASETAC AIM GEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMAR'**

1 - 9 1 4 HECTOR APT FARGO NO STATION NAM 73-80 AUG MINCH PAGE 2 ALL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 \*31 D.B. W.B. Dry Bulb Wet Bulb Dew Poir (F) 7 / 37 48 7-1 33 7/ 31 71/ 29 TAL 1.615.419.414.610.8 9.0 7.9 7.5 5.7 3.3 1.9 1.0 .6 .5 .3 .3 .1 No. Obs. Mean No. of Hours with Temperature 5952 391971 65.919.008 ± 0 F Rel. Hum. 27963509 ≤ 32 F 2 67 F = 73 F = 80 F - 93 F Total Dry Bulb 28245134 405480 68.110.222 5952 397.0 242.5 105.5 744 9.3 21940477 359025 Wet Bulb 60.3 6.909 5952 144.0 27.6 744 Dew Point 18308347 54.9 7.803 5952 .9 52.9 744

FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LE. AL CLIMATOLOGY BRANCH JIAFETAC ATT WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 4 9 1 4 STATION SEP HECTOR APT FARGO NO 73-80 0600-0200 PAGE 1

																		HOURS IL.	5. T.1
Temp.											SSION (F					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20 2	1 - 22 23	- 24 25 - 26	27 - 28 29	30 ≥ 31	D.B. W.B.	Ory Bulb W	et Buib D	ew Po
- / 79					• 1	• 1			- 1					:		3	3		
7 ( / 77						. 1	• 3		• 3	• 1	i	1	į			6	6		
7/ 75				. 6	• 3	. 3		• 1	• 1	• 1						11	11		
74/ 73			• 1	• 1		• 3		- 1					_ !			5	5		
7. / 71			• 1	. 1	• 3	-		• 3			Ī					6	6	1	
7./ 69	- 1	. 4	. 4	. 4	. 4	• 3	ļ	. 7				ł	! :	1		20	20	9	
6 / 67			• 3	. 4	• 1		• 3								• •	8	8	7	
6/ 65		1.1	. 7		.7	. 1		• 1					_	·		20	20	15	
c4/ 63		. 4	1.1	• 1	. 4	• 3	. 4		• 1							21	21	14	1
12/ 61		1.4	- 8	. 8	.8	• 3					1		į.			3.0	30	15	
1./ 59		1.5	1.4	. 6	1.5	. 8		• 1					1		***************************************	43	43	26	1
<u>5</u> 0/ 57	• 1		1.3	. 7	1.4	. 1	- 1	[								37	37	32	2
5 7 55	. 4	3.3	1.8	1.8	1.1	1.0	. 1									69	69	37	2
4/ 53		1.4	2.9	2.1	• 6	. 1	• 1									5 2	52	49	2
2/ 51	• 1	4.2	4.3	• 7	• 3	. 6										73	73	55	3
5. / 49	. 1	3.1	2.6	1.9	.8	. 1										6.3	63	82	4
40/ 47	• 1	3.8	2.1	1.4	• 3	. 4							1			5.8	58	76	7
46/ 45		3.1	3 . 3	. 4	- 1	ļ					ł	1				50	50	60	8
44/ 43	. 4	2.1	2.5	. 4	. 4	• 1										4 3	43	63	5
42/ 41	. 1	2.6	1.4	• 3	• 3		ł			1		<u>. l</u>	_ ! :			34	34	60	5
4./ 39	• 1		1.4	. 6	.4									1		27	27	33	4
3 0 / 37	. 1	. 4	.7	. 6										i	i	13	13	27	5
3: / 35	• 1	1.0	. 3													13	13	18	3
34/ 33	1	. 4	- 3								$\perp$		1		i	6	6	20	2
2/ 31	• 1	. 1	. 4													5	5	8	2
3./ 29		. 3	. 1										l			3	3	7	1
2./ 27		. 1														1	1	4	
2: / 25		l	l										1					2	
2-/ 23																			
~2/ 21		L									<u> </u>							1	1
72/ 19																			
GTAL	2.4	33.3	30.4	14.4	10.4	5.1	1.4	1.5	. 7	• 3		L				<u> </u>	720	}	72
																720		720	
Element (X)		ZX,			ZX		X	<b>₽</b> <sub>A</sub>	$\top$	No. Ob	.			Mean No.	f Hours wit	h Temperatu	re	1.	
Rel. Hum.		419	3695		539		74.9	14.7	93	7.	20	5 0 F	± 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Te	rel
Dry Bulb		2 ) 4	2883		377	31	52.4			7.	20		1.1	7.4	3.1				9
Wer Bulb		172	8950		347	42	48.3	8.5	49		20		2.6	2.1		<u> </u>	I	1-	9
Dew Point		146	9866		317	82	44.1			7	20		9.8	1.3					9

GLUMAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

HECTOR APT FARGO NO

### **PSYCHROMETRIC SUMMARY**

STATION				S7	TATION N	AME								YE ARS				MON	JTH
																PAGE	1	0300-	
Temp.										E DEPRES			<del></del>			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								- 24 25 - 2	16 27 - 28 2	29 - 30 + 31	D.B. W.B. (	Jry Bulb	Wet Bulb !	Dew P
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./ 75	ł	. 1	1	. 1	. 3	3 . 3	3	1	1	, 1			į.			5	5		
4/ 73		, —	. 4	• 1	٠,			1	i				1			4	4		
./ 71		. 1	1	. 1	1 .1	4	- 1	4	1		1		!			3	3.		
1 69		. 4	. 7	.6	1		• 1	4								13	13	7	. ——
. / 67	1	. 1	- 4	. 7	7 .4	*	.7	/i '		i						16	16	6	
6/ 65	. 1	. 7	• 6	• 1	• 1	1 .1	1 .1	4								14	14	6	
4/ 63		. 7	1.4	1 .3	i	. 1	1 .3	3			1		i			20	20	16	1
2/ 61		1.8			• 3			<del></del>						+		22	22	18	
1/ 59		. 8	. 4	1.3	. 4	4	'	1	1				į			21	21	27.	
1/ 57		2.2	2.8			٠									1	48	48	17	1
1/ 55	- 1	2.4	-8	1 . 1		1	1 .	1					1			45	45	33	1
4/ 53	.6	1.9		<del></del>				<del></del>							1	49	49	50	
2/ 51	. 3	1 1		. 6		_	4		}	1					;	58	5.8	40	:
1/49	• 1	3.6														62	62	71	
/ 47	• 1	4.7			1										:	60	60	62	
1/ 45	. 4							1	<del>                                     </del>	1				+		71	71	72	
4/ 43	. 4	4.0	1		1	l l			İ						!	5.3	5 3	61	ĺ
1/ 41	. 3		+	-1	<del></del>		_		+-					+	-	38	38	63	
. / 39	. 7	1.8	. 7		1	1				1 1	1		1		į	24	24	52	
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7(/ 35	. 4	1	1							1 [					ì	23	23	32	
3-/ 33		1.4					<del>                                     </del>	<del>                                     </del>		<del>                                     </del>				+		17	17	19	
2/ 31	. 1			1 1	1					1 [					į	11	11	22	
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2/ 21		i <del></del> 1			<b>†</b>	1			<del>                                      </del>		$\neg$			+		+			
1/ 19	J	, ,	1 1	'						1 ;									
TAL	4.0	46.5	27.4	12.6	6.0	11.5	5 1.5	اذ	• 1	1 . 3				1		1	720	<del>- i</del>	7
		<u></u> !	<u> </u>	<u>'</u>	↓		<u> </u>							1		720		720	
		( )		'															-
lement (X)		ZXi			ZX	工	X	· • ·		No. Obs.					o. of Hours wit		<del>_</del>		
lel. Hum.			4894		571	. 28	<u>79.3</u>	313.0	132	72		± 0 F	: 32 F		<del></del>	→ 80 F	◆ 93 F		Total
bry Bulb			5223		358			8 9.7		72			2.6			اذ	<b></b>		
Wer Bulb			1540		335			6 8.8		72		'	5.5						
Dew Point		141	9710	4E	312	104	43.7	3 9.6	70	7.2	/n	1	10.8	A .	8	1	ſ	- I	

73-80

GLOCAL CLIMATOLOGY BRANCH COMPETAC AIC MEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION	. <u>Ht</u>	CIOR	( API		GO N					73-8	U			YEAR					SE	
				•		·ME								1580			PAGE	1	D6DD-	-080
Temp.			_	,		WET	BULB	TEMPER	RATURE	DEPRESS	ION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16		- 20 2	1 - 22	23 - 24 25	- 26 27	7 - 28 29 -	30 ≥ 31	D.B. W.B. D	ry Butb	Wet Bulb (	Dew P
./ 91			1	1	i i			1		• 1				İ	1		1.	1		
/ 79			ļ	<u> </u>		• 3	4	<u> </u>	<u>.                                    </u>	• 1							2	2		
6/ 75				• 1			.l		- 1	1	İ	ļ		+			2	Z		
74/ 73			• 1	• 7		• 1	<u> </u>	ļ	<del> </del>			$\rightarrow$					7	7		
7./ 71		• 3	1	. 4	1 1					1		İ	!	i	- 1		. 8	8		
E. 1 67		- 1							<u> </u>	+			i				11	$-\frac{11}{2}$	7	
6/ 65	. 4	. 3	• 3			-	• 1	1 .							1		9	9	6	
4/ 63		• 3				• 3	• 3	• 1	<del> </del>	<del>   </del>	-			$\rightarrow$	<del></del>	1	17	17	12	
2/ 61		1.0			1 1	. 3		1	l					1	!		18 17	18	10	
/ 59		1.3				• 3	1		ļ	<del>                                     </del>				+			25	25	16	
5 m / 57		2.5			" "										i		47	47	26	
5. / 55	• 1					• 1	<del> </del>	<del> </del>		+ +		+	- +	+	<del></del>		50	50	37	
4/ 53	. 7		1	1.5		• •	1					-					61	61	51	
2/ 51	. 8					• 1	<u> </u>	$\vdash$		+ + +	-	-+			<del>-</del>		67	67	56	
5. / 49	• 3		1								i		1	i i	1		6.5	65	67	
4 / 47	• 3			. 8		. 4	<del>                                     </del>	<del> </del>			+-	$\overline{}$		- :	<del>- :</del> -		64	64	58	
41/ 45	. 1	4.6		. 8	1 1	- '						ļ		į.	Ì	i	60	60	82	
4/ 43	. 4						1	†									50	50	59	
42/ 41	. 6	2.8	1.9	• 1	- 3									!	İ	i	41	41	56	
4./ 39	• 3	1.3	. 7													_	18	18	50	
3-/ 37	• 1	2.2	. 7	. 3												İ	24	24	24	
36 / 35	• 3	2.4															21	21	27	
34/ 33		1.0	1.1													<u>i</u>	15	15	24	
72/ 31		. 4													1		6	6	10	
1.1 29		. 8	+														6	6	10	
2 / 27	• 1	• 6								1		- 1		ļ_			7	7	8	
/ 25		• 1	·							$\bot$	$\perp$						1	1	5	
24/ 23								1				- 1	1	- 1					1	
72/ 21			<del></del>	<b> </b>			<u> </u>	L	ļ	<b>↓</b> ↓				$\perp$			ļ	l		
2. / 19							Ì									1		į	į	
1 / 17	4	4. 00 =	20 -				ļ	<u> </u>	-	<del>                                     </del>	-+	$\rightarrow$		$\rightarrow$			-		i	
IAL	4 • 6	44.5	28.8	13.5	6.4	1.5	- 4	• 1	• 1	• 3					į		300	720		7
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Ref. Hum.			12204		<del>~ x</del> 575	nd		12.3		720	<del>,  </del> -	± 0 F	= 32		e 67 F	* 73 F	> 80 F	• 93 F		otel
Dry Bulb			7627		361			9.5		720		2 V P		.5	5.0	1.5	<del></del>	* Y3 F	1	8181
Wer Bulb			6454		338			8.7		720				• 3	1.6	1.03	<u>•</u>			
Dew Point			1089		316	_		9.4		720				• 3	1.6		<del>                                     </del>		-+	
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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LE HAL CLIMATOLOGY BRANCH LOSFETAC AIN WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

10-14 HECTOR APT FARGO ND STATION NAME

73-80

SEP

PAGE 1

0900-1100 HOURS (C. S. T.)

Temp.										DEPRE							_ TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 → 31	D.B. W.B. D	y Bulb	Wet Bulb	Dew P
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/ 89								İ				• 1	İ		i		1	1		İ
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-6/ 85							[	.1		[ ]		ĺĺ	- (				1	1		
.4/ 83						• 1	• 3	• 1	• 3		• 1	• 1			-		8	8		:
· / P1						. 4	• 3	ĺ							·		: 5	5		ļ
. / 79					• 1	• 1	• 1	• 3		. 1					i -		6	6		
7: / 77					.7	. 4	. 1	.1	. 4	. 3	. 1		:		ì		16	16		:
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74/ 71		• 1		. 4			• 3	•6									17	17		1
1 69	ľ	. 1	. 1	• 3		. 4			1				i		i i		29	29		
6:/ 67		. 4	• 1						. 4	+							28	28		
16/ 65	. 1	• 3	. 1	• 8											: !		44	44		.]
14/ 63	• 1	. 4	. 7														42	42		
c2/ 61		. 6								}							5.3	53		
4.1 59		2.1	1.9		1.8	2.2											82	82		<del> </del>
5-/ 57		1.5	1.7	2.8		1.4	. 3	ļ									63	63		
5. / 55	. 4	1.9				.6	• 6			<del> </del>							71	71	72	
4/ 53	• 3	2.5	3.3			.7	1										69	69	94	
12/ 51	. 1	.7															43	43	78	<u> </u>
5 / 49	. 3	.6	1.7	2.5	. 4	. 3	:									1	41	41	75	
41/47	• 1	• 7	1.1	. 4	1.0	• 3											26	26	61	
4 / 45		. 8	1.0	1.1	. 1	.1	ł	l	ł			1					23	23	43	
44/ 43		. 4	.7	• 3	• 1		1										11	11	47	1 7
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Element (X)		Z g 2			Σχ		X	•,		No. Ob	s. T				Mean No.	of Hours wi	th Temperatur	•		
Rel. Hum.								<u> </u>				: 0 F		32 F	≥ 67 F	≥ 73 F	▶ 80 F	. 93 (	•	Total
Dry Bulb													$\top$			1				
Wet Bulb									$\neg$		$\neg \neg$									
Dew Point																1	<del></del>			

USAFETAC FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# **PSYCHROMETRIC SUMMARY**

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(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	4 25 - 26	27 - 28 29	- 30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb D	Dew Pa
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12/ 21		[						[		į l		l			i			I		
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Element (X)		ΣX,			ž <sub>X</sub>		<u> </u>	<b>₽</b> <sub>R</sub>		No. Ob					Mean No.		th Temperatu	re		
Rel. Hum.			3403		469		65.2	16.5	40		20	≤ 0	F	± 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Te	otal
Dry Bulb			1758		426	72	59.3	9.3	41	7	20				17.	3 8.0	3.0			9
Wet Bulb		203	4001		378		52.6	7.5	89		20			. 4	4 .					9
Dew Peint			6549		336		46.7				20			5.6	1.0	2		1	$\neg$	9

USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE .

SECRAL CLIMATOLOGY BRANCH SAFETAC ATH WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 73-80 PAGE 1 1200-1400

<del>,</del>																			HOURS IL.	3. 1.
Temp.		<b>,</b>		, ,						DEPRE							TOTAL		OTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2			- 30 2 31	D.B. W.B. D	ry Bulb We	+ Bulb De	ew P
e/ 97		!		ļ ;	, i					i	ļ	1	• 1 <sub>[</sub>	• 1			2	2	•	
6/ 95				ii			,				. 1	i	. 1	. 3	3		6	6		
14/ 93										• 1	• 1	1	. 1		• 1		4.	4.		
7./ 91				!	!					. 4	. 3		ļ	- 1	• 3		8,	8		
. / 89				i i					• 1	. 1	• 1	• 1	• 1	• 3	. 1		8	8		
-6/ 87								. 1	. 7	1	- 1		i	• 1	. 1		9.	9		
6/ 85								• 3		• 1	• 1	• 3	. 4	• 1			10	10		_
-4/ 83							• 6	- 6		. 3	. 3	. 4	. 1		İ		16	16		
52/ 81						• 1	• 6		• 3	.6	. 4	• 3	• 3	• 1		<del></del>	20	20		
°./ 79		] )		j j	. 1	. 6		. 1	. 4		. 4	- 1	• 1	 	1		21	21		
7. / 77					• 3		• 3	• 6	. 1	1.1	• 1	.6	. 1				23	23		
16/ 75			• 1	. 1	. 1	• 3	k l	. 7	1.1		. 8	. 1	į		ļ		28	28	4	
74/ 73						.7	. 3	. 6	1.1	<del></del>	. 8	• 1		•		<del></del>	28	28	11	
72/ 71			• 3	- 1	.6	. 6		-	1.5		. 1	. 1	İ	i		1	4 3	43	17	
7. / 69		. 4		• 1	1.8	1.1	1.4	1.7	. 4		• 3			-		<del></del>	58	58	21	
61 67		• 3		. 3	1.1	1.1	1.3	.6	. 8	.6	- 1	1	i			•	43	43	12	
16/ 65			• 1	1.5	1.1	• 3	1.5	1.4	• 7	+							50	50	18	
4/ 63		. 1	1.3	1.1	. 8	1.4	1.5	. 7	. 3		İ		1				54	54	29	
F2/ 61		. 3	• 1	1.1	. 8		1.5	. 4	. 3		1			<del>-</del>			43	43	58	
46/ 59		1.5	1.1	. 7	. 7	1.9	.6	. 4	.1	]		- 1	1		İ		51	51	66	
51/ 57		. 7	1.0	2.2	1.1	. 8	.7	. 4					i				50	50	79	
5 t / 55	• 1	2.2	1.7	1.5	. 7	1.1	. 4	. 4		1 1	Í	i	ĺ	1	i		59	59	73	
4/ 53		. 8	.6	. 7	. 4	.7	1.0						i				30	30	82	
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c / 49	. 4		• 1	• 1	. 4	• 1	• 1										10	10	56	
4./ 47		.7	• 1	. 3	• 1						i	i		l			9	9	28	
46/ 45		.1	• 1	• 1		• 1											4	4	35	
44/ 43			• 1			. 3						]		1		1	3	3	27	
42/ 41		T	•1		• 1												2	2	17	
4. / 39				. 3											}		2	2	5	
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Element (X)		Z <sub>X²</sub>			žχ		¥	<b>₹</b> 2		No. Ob					Mean No.	of Hours wit	h Temperatu	70	•	
Rel. Hum.		_										± 0 F	<b>5</b> :	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	To	tel
Dry Bulb																1			1	
Wer Bulb				· · · · ·							$\neg$		$\top$						1	
Dew Point				†		$\neg$			-							<del>†                                    </del>	<del> </del>	<del></del>	<del> </del>	_

C FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

-			

SECTAL CLIMATOLOGY BRANCH TAFETAC ACT REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO ND 1--14 73-80 SEP PAGE 2 1200-1400 Temp. WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 7. / 29 13 2.1 27 11 / 25 11 24/ 23 2/ 21 3 720 TETAL .6 7.6 7.411.011.813.113.510.4 8.1 6.3 4.3 2.2 1.7 1.3 1.0 720 720 Element (X) No. Obs. Mean No. of Hours with Temperature 37681 Rel. Hum. 2235699 52.319.150 720 s 32 F ≥ 67 F ≠ 73 F ≥ 80 F ▶ 93 F Total 47704 Dry Bulb 3246608 66.310.934 720 40.9 22.9 11.9 90 1.5 Wet Bulb 2264295 39997 55.6 7.680 720 8.1 90 1.9 1622447 46.4 9.906 Dew Point 33427 720 8.1 93

OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE 4 ಠ

2

14914

STATION

0-26-3

Wet Bulb Dew Point

SEL AL CLIMATOLOGY BRANCH . FFETAC

HECTOR APT FARGO ND

AIR HEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

SEP

1500-1700 HOURS ... S. T. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) [/ 39 • 1 2 • 11 ·c/ 97 . 1 95 . 1. • 3 • 3 9 • 1 • 1 9 <u>•</u>1 ~4/ 93 • 3 . 3 . 1 9 91 ٠ • 1 6 6 C: / 89 . 4 • 6 14 14 8/ 87 • 3 12 12. . 1 . 4 t/ 85 11 P 3 . 3 4/ 1.0 • 3 15 . 1 - 1 15 c/ 81 . 1 . 1 13 13, . 1 1.0 • 3 32 32 . 6 70/ 77 . 1 . 7 . 7 . 3 29 29 76/ 75 1.1 • 7 • 3 28 28 74/ 73 35 35 • 3 7.1 1.1 1.3 1.1 1.1 1.4 55 55 17 69 . 1 1.1 1.0 2.2 • 3 . 8 1.0 5 3 53 15 £5/ 67 . 8 1.1 . 8 2.1 48 48 24 6 . 1 16/ 65 2.6 . 8 53 19 . 6 1.1 1.3 . 6 • 1 53 14/ 63 1.0 . 7 • 6 . 6 1.0 1.0 • 3 42 42 30 1.3 12/ 61 . 7 1.1 1.0 45 45 61 9 59 1.5 1.3 . 3 1.3 10 . 8 • 3 47 47 66 5. / 57 . 8 2.2 . 7 . 6 1.3 49 49 87 38 51/ 55 . 7 1.1 • 7 1.5 42 42 80 48 . 7 54/ 53 1.0 23 23 38 82 12/ 51 • 1 75 53 5. / 49 18 18 56 4. / 47 . 3 • 3 7 7 27 51 • 1 41/ 45 . 1 4 23 61 44/ 43 5 36 58 42/ 41 15 39 4:/ 39 26 3-/ 37 53 1.1 35 41 17 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F = 73 F - 80 F 5 0 F ≤ 32 F ≥ 93 F Dry Bulb

73-80

C FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

1553102

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MEATHER SERVICE/MAC

HECTOR APT FARGO NO

1--14

STATION

#### **PSYCHROMETRIC SUMMARY**

YEARS

SEP

90

PAGE 2 1500-1700 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 72/ 31 15 20 / 27 ·/ 25 13 24/ 23 11 /2/ 21 7./ 19 3 TOTAL <u>•4 5 •4 8 • 3 6 • 5 9 • 710 • 711 • 912 • 4 8 • 8 7 • 4 7 • 4 • 2 1 • 9 1 • 9 2 • 4 </u> . 7 720 720 720 Element (X) No. Obs Mean No. of Hours with Temperature 34454 720 ≥ 67 F 1935222 47.919.962 Rel. Hum. 10 F 1 32 F ≥ 73 F \* 80 F • 93 F 14.1 Dry Bulb 3441115 49095 68.211.401 720 47.3 27 8 90 3.4 55.9 7.502 Wet Bulb 40222 2287424 720 8 . 6 90

720

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73-80

SLIBAL CLIMATOLOGY BRANCH CHAFETAC A:- "EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 .. C 1 4 HECTOR APT FARGO NO SEP 73-80 YEARS 1800-2000 HOURS L. S. T. PAGE 1

Temp.									ATURE								TOTAL		OTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 ≥ 31	D.B. W.B.	ry Bulb We	+ Bulb De	w Point
4/ 93									1		• 1				1 1	• 3	3	3		
1./ 91		[ ]		1	l					1		. 1	. 1	. 1	. 1		5	5		
/ 89									• 1		• 1	•		• 1	• 1		4	4		
-6/ 87			1					• 3		. 3	• 6		. 1	!			9	9		
6/ 85								• 1	1.0		• 3		. 1				11	11		
4/ 83							• 1	• 3		. 4		• 1	• 3				9	9		
./ 81		1 1	1	j	1		• 1	. 4	- 1		• 1	- 1	• 1	1	1		8	8		
/ 79			1			• 3		• 1	. 1	• 3	. 4	• 3	. 1	<u> </u>			12	12		
7. / 77		1			• 1		• 3	• 3	• 1	• 3	• 1	• 3					11	11		
76/ 75					• 1	. 4	• 1	• 3	. 4	- 6	• 6						18	18	1	
74/ 73			• 3	- 1		- 4	. 4	• 3	• 3	. 4	• 4			!	1		19	19	4,	
72/ 71			• 1	. 4	• 1	3	1.0			. 4	• 1				1		27	27	6,	
7 / 69		• 3	- 1	Ì	• 7	. 4	• 6	• 7						į	i		30	30	16	1
6 / 67		• 1	• 3	. 4	1.0			1.3	. 7	. 4	• 1			<u> </u>	<b>.</b>		51	51	15	7
6/ 65		1	. 4	1.8	- 6	1.0		. 8	. 4	• 3				1			44	44.	18	7
-4/ 63		• 8	• 3	1.1	1.4	1.3	1.0	. 8		• 1				ــــــــــــــــــــــــــــــــــــــ			49	49	16	12
627 61		1.0	1.1	- 6	1.4	1.5		. 8	• 6		i				;		58	58	30	16
61/59		2.5		1.4	1.7	1.5	_	• 3	ļ					ļ	<u> </u>		73	73	59	16
5./ 57		1.3	1.7	2.2	1.3	• 3	1	• 3	• 3		1	ĺ		ĺ	i :		5 7	57	75	22
51/ 55		. 8	1.5	1.4	1.4	• 8		. 4						ļ	<u> </u>		54	54	70	62
4/ 53		1.1	1.9	1.1	1.7	. 4	- 8	• 1						1		1	5.2	52	82	28
12/ 51		. 8	1.0	. 6	- 8	-1	• 6							ļ	<b>├</b>		28	28	68	48
51/49	• 1	T - 1	1.3	• 7	• 4	• 8											27	27	75	57
4/47		1.1	1.4	. 7	. 8	• 3								ļ	<b>├</b>		31	31	44	55
41/ 45	• 1	1	• 1	. 8	• 3	• 3			1						l i	İ	15	15	4.5	65
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FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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# PSYCHROMETRIC SUMMAR'

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STORAL CLIMATOLOGY BRANCH STACETAC

**PSYCHROMETRIC SUMMARY** 

1 - - 14 STATION

ATH WEATHER SERVICE/MAC

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2100-2300 HOLAS L.S. \*. PAGE 1

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# PSYCHROMETRIC SUMMARY

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SECRAL CLIMATOLOGY BRANCH STAFETAC AIF WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

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4/ 93						L			i	• 0	• 1	• 0	•0	• 0	•0	•1		16	16		
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. / 89									. D		• 1	- 1	•0	• 1	-1	• D		27	27.		
8/ 87			1				• 0	• 1	• 1	• 1	• 1	• 1	• 0	• 1	• 1			35	35	:	
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CL. AL CLIMATOLOGY BRANCH SPECTAC ASS REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14414 HECTOR APT FARGO ND SEP 73-80 STATION YEARS STATION NAME MONTH ALL PAGE 2 HOURS ... S. 1. WET BULB TEMPERATURE DEPRESSION (F) TOTAL . Temp. TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 | 31 | D.B. W.B. Dry Bulb Wer Bulb Dew Point • 2 2/ 31 24 24 52 161 • 2 . 2 .0 12 12 34i 125 1. / 27 . 2 15 • 0 15 20 100 31/ 25 • 0 72 1 11 1 24/ 23 67 12/ 21 55 / 19 19 1 TITL 1.822.719.914.111.1 8.1 6.8 4.8 3.5 2.5 1.9 1.0 5760 • 5 5760 . 5 5760 5760 z<sub>x</sub>, Element (X) I No. Obs. Mean No. of Hours with Temperature 27136168 377786 65.620.235 5760 Rel. Hum. 10 F 1 32 F ≥ 67 F = 73 F = 80 F = 93 F Total 58.012.097 51.1 8.816 Dry Bulb 20222434 334106 5760 6.5 160.9 83.4 38.7 720 15515491 Wet Bulb 294633 5760 14.7 35.5 4.9 720 75.0 Dew Point 12178801 258841 44.9 9.747 9.2 576D 720

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

SLUFAL CLIMATOLOGY BRANCH WHATETAC ATH WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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ALCHAL CLIMATOLOGY BRANCH CHAPETAC ATCHEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

11 14 HECTOR APT FARGO NO STATION HAME UCT WONTH 73-80 PAGE 2 2000-0266

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION	(F)				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24 25 - 3	26 27 - 28 2	9 - 30 2	31 D.B. W.B.	Dry Bulb W	er Bulb Dew	v Po
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Rel. Hum.			390		34/	50	73.6	1201	<u> </u>		44	: 0 F				F 80 F	◆ 93 F	Tota	
Dry Bulb			290			68	41.4	9.7	71		44		15.	1 .	1		<del></del>	<del></del>	9
Wet Bulb		112	091	4	281	<u> </u>	37.8	8.6	<u> </u>		44		23.				- <del>i</del> -	-+	9
Dew Point		87	655	5	245	43	33.0	9.4	91	71	44		44.	9)					9

USAFETAC FORM 0.26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ULLFAL CLIMATOLOGY BRANCH LIMFETAC AIM WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 - 914 HECTOR APT FARGO ND 73-80 OCT
STATION STATION NAME

PAGE 1 0300-056C
HOURS C.S.T.

																				HOURS L.	3. 1.
Temp.						WET	BULB	EMPER.	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
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2/ 51	• 9	. 3	. 4	. 8		• 1												19	19	18	9
5_/ 49	• 4		1.2	. 7	1.2	. 4	• 1	1						!	1			30	30	18	11
4./ 47	• 8	- 1	1.1	1.2	. 1	. 4									-			28	28	24	9
46/ 45	• 3	1.6	2.3	1.5	. 4	• 3		ì		1 1						,		47	47	27	8
.4/ 43		2.2								1		1						47	47	34	15
42/ 41	. 7	4.2	3.4				'	1						i	1			77	77	61	43
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Rel. Hum.			0997	<del> </del>	572			13.8			44	= 0		32 F	≥ 67	-	73 F	- 80 F	≥ 93 F	<del></del> -	otel 0.3
Dry Bulb			1981	<del></del>	291			9.6			44		$\rightarrow$	22.D				<del> </del>	<del> </del>	+	93
Wet Bulb			8292		270			8.6			44			28.8				<del> </del>	<b></b>	<del></del>	93
Dew Paint		83	4735		239	231	32.2	9.3	75		4 4			47.1		1		1	1		9 1

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Wet Bulb

Dew Point

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ULUPAL CLIMATOLOGY BRANCH PRAFETAC AL MEATHER SERVICE/MAC

1007497

#### **PSYCHROMETRIC SUMMARY**

93

93

HECTOR APT FARGO ND CCT 73-80 STATION STATION NAME PAGE 1 0600-0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin (F) . 4/ 63 • 1 • l 5.9 3 • 1 6 4 / 57 1 5:1 55 2 16 16 4/ 53 7 . 1 . 1 20 20 7, • 5 12/ 51 . 8 . 1 31 31. 16 12 1.3 F. / 45 1.7 28 9 28 4 / 47 . 8 • 7 18 18 19 6 41/ 45 1.2 1.5 1.1 35 35 36 16 2.6 4/ 43 3.6 52 52 28 22 44/ 41 5.5 4.2 1.1 29 82 82 44 3.8 • 5 • 7 39 4.3 4 / 1.9 78 32 78 88 2.8 3. / 37 . 7 4.3 63 87 63. 62 3 6 / 35 •5 1•2 3.9 2.8 54 54 66 8 C 33 4.7 2.0 61 61 71 73 2/ 31 1.7 4.7 1.2 59 59 68 93 3.5 1. / 29 <u>1 • 3</u> . 7 44 75 44 61 27 2.2 . 1 19 19 36 50 Pt/ 25 1.6 16 19 50 16 24/ 23 5 5 24 16 21 2.3 23 23 22 .21 18 19 . 8 12 12 18 19 1:7 17 1 1 4 24 1:/ 15 1 11 1-/ 13 • 1 1 3 7 1.1 11 3 3 9 4 7 2 3 4/ 12.544.229.0 9.7 2.3 2.0 T TAL 744 744 744 744 No. Obs. Element (X) Mean No. of Hours with Temperature 4726905 58545 78.712.710 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 744 10F ± 32 F Total 23.6 Dry Bulb 1160290 28556 38.4 9.300 744 93

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744

31.3

48.6

35.8 8.443

32.0 9.060

26649

23807

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## **PSYCHROMETRIC SUMMARY**

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Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)				TOTAL		TOTAL	
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- 4/ 63	• 1	• 1		• 1	. 4	. 4	. 4	. 4	• 1	<u> </u>	i					16	16	2	2
- 2/ 61			• 3	• 1	• 3	. 4	. 9	• 3								17	17	1	1
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5/ 55	. 3	. 4	. 4	1.5	1.7	1.3	• 1				l		i			4 3	43	18	9
4/ 53	. 8	- 1	. 7	• 9	2.2	• 9				1						42	42	27	13
12/ 51	• 5			1.1	1.5	. 4				ļ						38	38	30	7
5./ 49		• 3	2.0		1.7	• 3				-	[					43	4 3	1	5
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Rel. Hum.			7956		498	6.8	67.0	_			44	± 0 F	. ± 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 F	T.	otal
Dry Bulb			8732		342		46.1				44		6.9	2.0	• 1	+	1-73	<del></del>	93
Wet Bulb			2081		305		41.1	l			44		12.5			<del>'</del>	<del>                                     </del>		93
Dew Point			1735		259		34.9				44		36.0			<del> </del>	<del>                                     </del>		93
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NETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Rel. Hum.

Dry Bulb Wet Bulb Dew Point

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HECTOR APT FARGO ND

14914

STATION

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 1200-1400 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 26/ 85 • 3 2 14/ 83 2 2 ê I 1 79 5 5 7.1 77 • 3 5 5 • 1 "t/ 75 10 10 74/ 73 . 8 • 1 10 10 أ7 و 74/ 71 . 1 15 15 69 24 24 • 8 6 6 / 67 • 3 28 28 .6/ 65 29 29 4/ 63 36 36 12/ 61 1.5 3 C . 8 . 1 30 14 . 5 59 . 9 41 41 22 1 / 57 . 9 1.1 1.1 45 45 32 6 5-/ 55 45 45 33 1.6 11 . 8 1.2 4/ 53 2.2 2.3 • 3 54 54 45 13 2/ 51 44 44 44 13 5. / 49 1.5 • 1 2.3 42 42 53 10 1.3 41/ 47 . 8 . 4 1.5 59 36 36 30 41/ 45 1.1 1.6 3.0 2.4 . 1 61 61 51 32 1.3 44/ 43 1.9 • 8 41 41 88 45 44/ 41 1.9 • 9 41 1.1 1.1 41 41 73 4. / 39 25 25 66 44 30/ 37 .8 1.2 . 4 . 7 • 3 16 16 45 68 35 1.1 26 26 30 77 34/ 33 . 1 15 15 34 68 72/ 31 9 9 28 83 . 3 10 55 2: / 27 6 39 24/ 25 7 34 24/ 23 13 2/ 21 19 14 ZX Z X Ī •, No. Obs Mean No. of Hours with Temperature

± 0 F

± 32 F

≥ 67 F ≥ 73 F

\* 80 F

≥ 93 F

73-80

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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14914

STATION

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UTAFF	TAC		
AT.	FATHER	CEDVICE	/MAC

HECTOR APT FARGO ND

### **PSYCHROMETRIC SUMMARY**

PAGE 2

YEARS

OCT

1200-1400

																	_			MULRS .	
Temp.		_						TEMPER						,				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	_ ≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
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Element (X)		Z X,			ZX	$\perp$	X	<b>₹</b> g		No. Ol							ours wit	Tempera	lure		
Rel. Hum.		244	3000		402		54.1	18.8	88		44	± 0	F	≤ 32 F	≥ 67		73 F	- 80 F	e 93	F	Total
Dry Bulb		220	3749		396	0.3	53.2	11.3	48	7	44			1.8	12	. 9	4.5	•	9		93
Wet Bulb		154	8044		333			8.1		7	44			6.5					T		93
Dew Point			6596		263			9.1		7	44			35.4		-				1	93

73-80

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLU-AL CLIMATOLOGY BRANCH SAFETAC AT WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

																				HOURS (L	. 5. T.
Temp.								EMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B. C	ry Bulb	Wet Bulb	Dew Poin
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€/ 85										_		• 1	. 4	• • 1	<u>l</u> į į			5	5		
4/ 83											ĺ	• 3	• 1	l				3	3		
F2/ 81					1							. 4	• :	5	į.			5	5		
/ 79										• 1	• 1	. 4	• 1	1				6	6	•	
7' / 77			_							• 5	• 5	• 3	. 1	l¦	į			11.	11		
6/ 75				i				• 1	• 3	• 3	• 3	• 1		i				8	8		
74/ 73						İ	• 3		. 7	• 7	. 1	• 3		į			:	15	15		
72/ 71							• 5	• 8	• 7	• 1		• 1		1	1		•	17	17	1	
7. / 69			j		• 3	. 4	- 4	• 9	. 9	• 9	ĺ			ĺ				29	29	:	
6-7 67					- 3	. 3	. 8	. 7	1.1	• 9	l							30	30		
-6/ 65		. 4		- 5	. 1	. 5	. 4	• 5	• 5	• 1	l	<u> </u>			1 /			24	24	3	3
4/63			. 4	• 1	• 3		• 8	• 9	1.1	• 8				i	i		:	3 3	33	1	
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c./ 57			_ • 3	- 3	1.3	1.2	1.9	1.2	. 1			1		į	<u> </u>			47	47	3.3	8
51/ 55		. 4	. 4	• 3	. 7	1.2	2.8	• 8		_				i	i		_	4 9	49	30	7
4/ 53	. 4	. 4	. 4	. 8	• 3	1.3	1.7	. 8	• 1						1		:	47	47	34	14
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5. / 49	. 1	• 1	1.2	1.2	1.3	• 5	. 3							[	1 1			36	36	56	19
4./ 47	- 1	. 8	• 5	1.9	3.1	. 9								Ī	1		:	5.5	55	64	د 1
41/ 45		. 7	1.2	1.7	1.6	. 7									1		!	44	44	51	30
44/ 43		• 5	• 8	- 8	- 8	1.5				_				i			:	33	33	90	39
42/ 41		- 8	. 7	1.2	• 1	. 8					L				1i		i	27	27	66	4.8
4 / 30	• 5	• 3	• 9	• 5	. 7	• 1											i	23	23	66	42
3 / 37	• 1	1.3	. 4	• 5	. 4							ļ			li	_		21	21	36	49
31 / 35		• 5	. 8	• 9	. 4							_					i	20	20	38	64
34/ 33	• 5	. 8	. 3	• 1	. 4													16	16	21	75
72/ 31	• 1		. 4	• 3	• 1												i	7	7	28	78
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2 / 27																				5;	58
21/ 25																	L			6	36
24/ 23																	į			1	21
2/ 21																	<u> </u>				25
Element (X)		ZX,			Σχ		¥	<b>€</b> X		No. Ob	5.				Mean N	o. of H	ours wit	h Temperatu	re		
Rel. Hum.												≤ 0	F	1 32 F	≥ 67	F	73 F	+ 80 F	* 93 I	F T	otal
Dry Bulb																_1.			]		
Wet Bulb																1		1		i	
Dew Point						1									1						

USAFETAC FORM 0.26-3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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ATH MEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1: 914 HECTOR APT FARGO ND 73-80 OCT
STATION STATION NAME YEARS

PAGE 2 1500-1700

Dew Point		97	1530		258	96	34.8	9.71	9	7	44			38.5						9
Wet Bulb			0962		337			8.33			44			6.6		ļ				9
Dry Bulb		231	8922		406	04	54.6	11.77	1		44			1.3	16.	3 6	8 2.	0		Ÿ
Rel. Hum.			3556		378	90		19.88	9		44	± 0	F	: 32 F	≥ 67 F			- 93	F T	otal
Jement (X)		Z x i		-	ZX	<u> </u>	¥		$\top$	No. Ob	s. T	L		11	Mean No.	of Hours	with Temperat	ure	11	
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Temp.	0	1 . 2	3 . 4	5.4	7 . 0	9 10	BULB 1	EMPERA	TURE	DEPRE	351UN (	21 - 22	23 . 24	25 24	27 . 28 20	2 . 30 . 3	TOTAL 1 D.B. W.B.	Dev Bulb	TOTAL	Daw Po
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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L .: AL CLIMATOLOGY BR	ANCH
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L'AFETAC AT: AFATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	HE	CTOR	APT		GO A					73-	80			YEARS					0C	
•				•													PAGE	1	1830-	20
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25	- 26 27	- 28 29	- 30 ≥ 31	D.B. W.B.	bry Bulb	Wet Bulb D	•
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7 / 77							<u> </u>	<u> </u>		<u> </u>	• 3						2	2		
76/ 75					ĺ		-	ĺ		• 3		1		:			3	3		
74/ 73						ļ	ļ	<del>                                     </del>	ļ .	• 1	• 1			+			2	- Z		
74/ 71	}				İ	١.		• 1	í	1					1		4	4		
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6/ 65		. 4		• 1	i				• 1	! _		1	i	-	t		15	15	3	
4/ 63			• 3		• 1					- 1		~ +	+	<del>- i -</del>	<del></del>		18	$\frac{13}{18}$		
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2/5	• 5	• 1	1.2	• 8		. 8	. 9						:				41	41	35	
5 / 45	.1	. 4	1.1	1.6	2.2	1.5	. 3	- 1		İ		. 1.			1		54	54	46	
40/ 47	• 1	. 9	• 5	2.0	1.3	1.3	• 1										48	48	46	
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3. / 37	. 5	1.9	• 8	1.3	• 5	<del></del>	ļ	<b> -</b>			ļ						38	38	8.5	
36/ 35 34/ 33	• 3	. 4	1.2		• 3	ĺ	1	}	ł	ł		ł	1	1	1	!	24	24	58	
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Element (X)		2 <sub>X</sub> 2			ZX		¥	· **		No. Ol	8.				ran No. (	f Hours wi	th Temperatu	·•		
Rel. Hum.								ļ				± 0 F	: 32	F	≥ 67 F	≥ 73 F	- 80 F	● 93 F	To	tel
Dry Bulb			i	ļ				<u> </u>			<del></del>						1	ļ <u>.</u>		
Wet Bulb				ļ		- 1		ŀ	- 1				1	- 1			Į.	1	1	

PREVICUS EDITIONS OF 1HIS FORM ARE OBSOLETE

0-26-3 OL

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UL MAL CLIMATOLOGY BRANCH D AFETAC AI MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

11 -	HECTOR APT FARGO ND	73-80	ост
STATION	STATION NAME	YEARS	MONTH
		PAGE	2 1800-2000

HOLAS ... 5, 7. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1./ 11 1 / 1 ./\_ TEL 743 3.114.821.021.115.112.1 7.3 2.4 .7 1.3 1.1 743 743 No. Obs. Element (X) Mean No. of Hours with Temperature 3067996 45806 743 Rel. Hum. 61.718.136 ≟ 32 F ≥ 67 F ≥ 73 F - 93 F Total Dry Bulb 1798389 35743 48.110.313 743 5.1 93 Wet Bulb 743 12.8 1361515 31197 42.0 8.341 93 Dew Point 743 949175 34.4 9.805 40.8

USAFETAC FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLFTE JUN 21 0.26.3 OL A

GERMAL CLIMATOLOUY BRANCH LIFELTAC Al REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14	<b>∺</b> £(	CTOP	APT	FAR						73-81	0							00	
STATION				ST	TATION NA	AME							YF	EARS				MONT	
																PAGE	1	2100-	2300
										353850	· · · · · · · · · · · · · · · · · · ·								5
Temp. (F)	0	1 - 2	1.4	5.4	7 . 8	WE 1	BULB 1	EMPERA	ATURE	DEPRESS	10N (F)	22, 23	24 25 - 26	4 27 . 28 *	20 . 30 . 31	TOTAL D.B. W.B. D		TOTAL	Port
34/ 73	<del></del>	1 - 2	_ <del>3 · •</del>	. 3 . 6	-/	9.10	11 - 14	13 - 14	• 1		- 20, 21 -	22:23	24 23 - 20	27 - 20 - 2	7 - 30 - 3,	1	1		/W 1 0
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12/ 51	• 5	. 4	7	1.6	1.6	7 1	i f	1 (	į į	, }	}	)	1	1		50	50	21	17
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4 / 47		1.2	• •	1 - 1	1 1			1 1	, l	1			1	! !		44	44	38	8
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Rel. Hum.						$\exists$			$\perp$			0 F	± 32 F	≥ 67 F	F + 73 F	≥ 80 F	- 93 F	Tr	otal
Dry Bulb																			
Wet Bulb														<u> </u>					
Dew Point				1					_		1					1	1	- 1	

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JE FAL CLIMATOLOGY BRANCH

AT WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

93

1==14 HECTOR APT FARGO NO OCT 73-80 YEARS STATION STATION NAME MONTH 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.8. W.B. Dry Bulb Wet Bulb Dew Point 5 - 0 25 - 1 30 - 6 15 - 7 12 - 5 7 - 5 1 - 7 - 1 1 - 6 Temp. TITL 744 Element (X) No. Obs. Mean No. of Hours with Temperature 68.916.369 43.8 9.769 Rel. Hum. 3734646 51288 744 10 F 1 32 F ≥ 67 F = 73 F - 80 F + 93 F 93 Dry Bulb 1499429 32601 744 12.5 . 9 Wet Bulb 1206467 29307 39.4 8.368 744 19.0 93

744

43.1

C FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS SEM ARE OBSOLETE

Dew Point

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24924

33.5 9.483

SE HAL CLIMATOLOGY BRANCH LAFETAC ALL MEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

73-80 14-14 HECTOR APT FARGO NO OCT STATION STATION NAME MONTH PAGE 1 ALL HOURS ... S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin E/ P7 . 0 €/ 25 . 0 7 • 0 • 1 4/ 83 5 5 -1/ 81 . 1 . 0 7 7 79 .0 . 1 14 14 7 / 77 . 0 18 18 . 1 't/ 75 21 21 • 1 . 1 74/ 73 . 0 29 29 71 • 3 • 1 • 1 • 0 • 0 42 42 69 .0 68 68 78 6 / 67 • 1 78 +6/ 65 94 94 . 1 . 0 13 14/ 63 . 1 136 136 9 9 •0 . 1 133 45 2/ 61 133 59 • 3 . 2 173 12 . 2 • 2 . 4 • 3 173 87 5. / 57 . 3 • 1 211 211 109 28 51/ 55 261 261 134 • 8 51 4/ 53 . 0 312 312 185 86 51 21 . 8 . 8 1.2 1.0 314 314 234 106 1.2 49 . 2 . 6 313 313 318 95 47 • 1.6 326 326 332 111 1.2 . 6 41/ 45 2.1 379 1.7 385 385 187 -4/ 43 2.4 1.9 417 1.7 417 435 268 • 7 1.8 4./ 41 2.4 3.2 499 499 511 308 4 / 39 433 433 • 8 2.2 2.8 1.0 624 374 2.5 37 • 3 2.0 . 8 • 2 341 341 550 476 71/ 35 •4 2.2 1.7 300 300 451 574 • 6 • 2 34/ 33 2.5 1.5 • l • 0 307 307 412 576 1./ 31 . 8 1.2 2.4 • d 272 272 • 2 378 672 . / 29 1.3 141 141 271 453 . 9 • 5 27 87 87 148 389 21/ 25 . 1 56 113 334 56 . 3 23 31 197 31 64 ~2/ 21 5<u>4</u> 47 47 181 Element (X) No. Obs. Mean No. of Hours with Temperature . 80 F Rel. Hum. : 32 F ≥ 67 F ≥ 93 F Total Dry Bulb Wet Bulb Dew Point

IC FORM 31 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GERMAL CLIMATOLOGY BRANCH PRETAC AI REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 73-80 STATION PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin 20/ 19 44 • 3 • l 34 34 135 . 1 / 17 • 0 7 7 16 84 1 / 15 • 3 16 16 78 1-/ 13 . 1 59 17 6 6 1.7 11 . 1 7 7 6 36 Ģ . 0 17 18 13 4/ TOTAL 5951 5951 5.925.022.915.610.6 7.8 5.1 2.9 2.0 1.1 . 0 . 2 No. Obs. 395714 Rel. Hum. 28478958 5951 267 F 2 73 F 2 80 F 66.519.079 = 0 F ≤ 32 F 5951 744 Dry Bulb 13184396 271304 45.611.709 88.3 36.3 12.8 2.9 Wet Bulb 40.3 9.022 10165770 240030 5951 140.6 744 Dew Point 7314875 33.8 9.407 200991 5951 334.4 744

ETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

T. 2

GERBAL CLIMATOLOGY BRANCH GRAFETAC AIM WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14 HECTOR APT FARGO ND 73-80 NOV

STATION STATION NAME YEARS

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USAFETAC FORM 0.26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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1 - 14	HECTOR	APT	FARGO	
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SEEDAL CLIMATOLOGY BRANCH

## **PSYCHROMETRIC SUMMARY**

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73-80

USAFETAC FORM 71 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MER AL CLIMATOLOGY BRANCH

Als REATHER SERVICE/MAC

14-14

HECTOR APT FARGO NO

#### **PSYCHROMETRIC SUMMARY**

NOV

STATION NAME MONTH PAGE 1 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8. W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 53 3 3 • 1 ./ 51 4 5 / 49 • 1 • 6 4./ 47 5 46/ 45 1 • 3 44/ 43 . 8 9 . 1 3 1.61 41 1.1 . 6 . 4 20 20 . 7 . 7 4. / 39 .6 1.4 • 1 22 17 5 • 3 22 3-/ 37 .6 1.1 16 16 24 . 3 31/ 35 .3 1.5 19 19 2 G 33 34/ . 7 4.0 • 6 46 46 26 21 32/ 31 1.5 6.4 1.9 . 3 73 73 47 43 29 2.4 3.9 56 56 78 32 201 27 1.4 5.7 . 3 58 59 . 7 58 56 1.5 4.6 ? ( / 25 . 4 47 47 56 53 24/ 23 6.8 56 56 68 29 22/ 21 1.3 2.6 . 3 30 30 43 44 21/ 19 4.6 2.9 55 . 1 55 48 76 2.5 33 1// 17 1.9 33 44 50 1/ / 15 2.8 . 3 22 22 16 58 14/ 13 .8 1.0 13 13 24 30 1.8 17/11 1.1 21 21 16 19 1./ 9 1.8 1.3 22 31 22 22 7 1.1 1.9 22 29 22 22 + / 5 .7 • 6 9 16 9 1.3 3 12 12 12 18 15 ./ 1 . 1 • 3 9 **- 1** 3 . 4 10 -./ - 3 5 5 4 -4/ -5 6 -7 -61 3 12 12 12 --/ -9 . 8 1 -1:/-11 Ž -1./-13 5 ZX, Element (X) ZX No. Obs. Mean No. of Hours with Temperature : 32 F • 93 F Dry Bulb Wet Bulb Dew Point

73-8C

GLUBAL CLIMATOLOGY BRANCH USAFETAC AL WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

HECTOR APT FARGO NO 1-914 STATION

0300-0500 HOURS (L. S. T.) PAGE 2

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FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71 0.26-3 (OL A) USAFETAC

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SEL AL CLIMATOLOGY BRANCH 1 JAPLIAC AT SEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

73-80 HECTOR APT FARGO ND NOV STATION YEARS STATION NAME MONTH 0600-0800 PAGE 1

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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OLG:	AL CLIMA	TOLOGY	BRANCH
JIAF	ETAC		
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### **PSYCHROMETRIC SUMMARY**

TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point -1:/-17 1 1 6 -18/-19 -01/-21 . 1 3 - 2/-23 5 -24/-25 3 21/-27 720 TOTAL 33.153.110.1 2.9 720 720 720 ZX, ZX ₹<sub>A</sub> No. Obs. Mean No. of Hours with Temperature Element (X) X 80.611.841 720 ≤ 32 F Rel. Hum. 4783668 58066 ≤ 0 F ≥ 73 F ≥ 80 F • 93 F Dry Bulb 493000 23.112.265 16646 720 4.3 72.4 90 21.911.634 Wet Bulb 442067 15755 720 4.3 76.9 90 82.9 Dew Paint 350470 17.912.976 720 90 USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLURAL CLIMATOLOGY BRANCH STAFETAC AI: MEATHER SERVICEZMAC

## **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Dew Point

LEPAL CLIMATOLOGY BRANCH AS-FETAC AIR REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

| Temp. | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL

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USAFETAC FORM ARE OBSOLETE JUN 71 0 : 26 · 3 ;OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LE AL CLIMATOLOGY BRANCH AFETAC AI. LEATHER SERVICE/MAC

1-914 HECTOR APT FARGO NO

# PSYCHROMETRIC SUMMAR'

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73-80

JE AL CLIMATOLOGY BRANCH USAFETAC AT - WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

THE STATION HECTOR APT FARGO ND NOV MONTH PAGE 2

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Wet Bulb			1116		205		28.5	11.5	52		20		. 3	58.1				1	1	9
Dew Point			2626		156		21.7	11.9	22		20		. 1	74.8				T		9

USAFETAC FORM 0.26.3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DL FAL CLIMATOLOGY BRANCH DESPETAC ATT REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 - 14 MECTOR APT FARGO NÚ 73-80 NOV

STATION STATION NAME YEARS NOV

PAGE 1 1500-1703

HOURS IC. S. T.

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)			-		TOTAL	т	OTAL	
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ULCAL CLIMATOLOGY BRANCH . AFETAC

AT- WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14714 STATION HECTOR APT FARGO NO NOV MONTH 73-80 1500-1700 HOURS IL. S. T. PAGE 2

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Wet Bulb			9525		206	79	28.7	11.5	31		20			58.6				<u> </u>	<u> </u>		9
Dew Point		44	0177	/	155	75	21.6	11.9	84	7	20	5		75.8		Ţ			1		91

SETHAL CLIMATOLOGY BRANCH OCAFETAC AIR MEATHER SERVICE/MAC

HECTOR APT FARGO ND

### **PSYCHROMETRIC SUMMARY**

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CL - AL CLIMATOLOGY BRANCH CLAFETAC AI- WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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14914 HECTOR APT FARGO ND 73-80 NOV STATION YEARS 1600-2000 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 --/ -5 3: 3 7 8 -1/ -7 -:/ -9 3 -1./-11 -1./-13 2 -14/-15 6 -11/-17 3 -1:/-19 TOTAL 12.957.114.6 7.6 4.0 2.5 720 720 720 720 Element (X) No. Obs. Mean No. of Hours with Temperature •, ≥ 67 F 720 Rel. Hum. 4100122 53250 74.015.003 ≤ 0 F ≤ 32 F ≥ 73 F ≥ 80 F Dry Bulb 720 687296 20280 28.212.706 2.4 60.6 90 Wet Bulb 570678 18570 25.811.295 720 3.1 67.8 90

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TAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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405515

Dew Paint

SE SAL CLIMATOLOGY BRANCH OF AFETAC AT: "EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

<u>1 - - 1 4</u> HECTOR APT FARGO NO 73-80 NOV MONTH 2100-2300 HOURS (L. S. T. PAGE 1

Temper (P) 0 1-2 3-4 5-6 7-8 9-10 11-12 11-16 17-16 17-16 17-18 19-20 21-22 3-24 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 2-2 25-25 27-28 29-30 -31 D.B. Wis. Drys. West Bulls Deep Period (P) 2 2-2 2-2 2-2 2-2 2-2 2-2 2-2 2-2 2-2																					HOURS (L.	
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Rel. Hum.     ± 0 F     ± 32 F     ≥ 67 F     ≥ 73 F     ≥ 80 F     ≥ 93 F     Total       Dry Bulb     Wet Bulb <td></td> <td></td> <td></td> <td></td> <td></td> <td>Σχ</td> <td></td> <td>¥</td> <td>·,</td> <td></td> <td>No. O'</td> <td>60.</td> <td></td> <td></td> <td></td> <td>Mean N</td> <td>o. of He</td> <td>ours wit</td> <td>h Temperatu</td> <td></td> <td></td> <td></td>						Σχ		¥	·,		No. O'	60.				Mean N	o. of He	ours wit	h Temperatu			
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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AL WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14-514 HECTOR APT FARGO ND 73-80 NOV
STATION NAME YEARS MONTH
PAGE 2 2190-2300

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	× 31	D.B. W.B.	Ory Bulb	Wet Bulb	Dew Por
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TAL	19.6	54.4	16.6	5.1	2.4	1.1	. 6	• 3						<u> </u>					719		719
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Element (X)		ZX:		<u></u>	ž <sub>X</sub>		¥	•	_	No. Ob	. 1			L1	Mana Na	A6 14 a		Temperatu			
Rel. Hum.			7116			42		13.8	70		19	≤ 0 F	Τ.	≤ 32 F	≥ 67 F		73 F	- 80 F	• 93 F	<del></del>	otel
Dry Bulb		4 <u>7 5 0</u>	8175		184	77	26-0	12.5	46		19			63.6		╅╌		- 50 1	+	<del></del> '	90
Wet Bulb		5 1	0920		173	18	24.1	11.4	20		19	4,		72.0		+-			<del>  -</del>	<del></del>	90
Dew Point			8019		138			12.5			19	7		80.D		-+			+	+	90

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SE MAL CLIMATOLOGY BRANCH SEAFETAC AIN WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

14-14 HECTOR APT FARGO ND 73-80 NOV STATION MONTH PAGE 1 ALL HOURS 14. 5. T.1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 73 • 0 72/ 71 69 • 1 6 6 E . / 67 .0 5 • 0 6/ 65 1 C 10 • 1 14/ 63 10 10 12/ 61 •0 • 0 • 0 8 8 £ . / 59 . a **.** q • 1 21 21 57 • 1 34 34 • 2 . 1 51 / 55 39 39 • 1 • 0 4/ 53 72 72 17 • 1 • 2 • 1 -2/ 51 61 61 23 10 5 / 49 . 1 • 1 67 67 68 23 45/ 47 . 2 • 0 • 1 . 1 73 73 61 35 • 1 4: / 45 • 5 . 1 •0 101 101 67 30 44/ 43 • 2 • 8 . 0 113 • 2 113 60 32 42/ 41 . 4 1.1 . 7 • 0 121 155 155 26 • 3 • 2 • 9 41/ 39 180 180 155 52 31/ 37 1.4 . 6 .0 • 6 176 176 177 80 31/ 35 2.2 1.1 . 6 • a 264 264 221 174 3.9 5.3 • 5 34/ 33 1.5 405 405 355 229 12/ 31 2.0 531 531 450 428 3.1 29 4.3 . 3 1.6 1.6 456 456 538 299 2 1 27 1.1 4.5 398 398 398 467 21/ 25 4 . 8 . 8 - 1 371 371 426 405 4.6 24/ 23 . 1 335 335 459 282 21 21 1.4 3.1 . 1 288 288 354 367 19 2.2 3.1 334 320 • 1 334 508 1 / 17 2.9 402 1.0 • 2 240 240 276 1. / 15 2.3 172 172 216 378 1-/ 13 1.5 135 118 118 300 12/ 11 1.1 . 9 112 112 145 183 Q 1.0 98 98 87 188 108 108 107 180 Element (X) ZX Ζχ I No. Obs. Mean No. of Hours with Temperature Rel. Hum. 2 0 F 1 32 F ≥ 67 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb Dew Point

ISAFETAC FORM D. 26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SECHAL CLIMATOLOGY BRANCH AI MEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

73-80 ALL HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 -> 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point T 86 105 5 48 48 • 6 72 97 4/ 1.2 86 86 94 1 63 63 68 / -1 47 42 42 61 42 -./ -3 43 43 62 . 4 29 29 39 40 --/ -5 -: / -7 •6 36 36 38 41 --/ -9 17 17 17 41 -1 /-11 10 35 10 10 -12/-13 7 7 27 -14/-15 10 10 10 34 33 3 -1:/-17 3 3 27 -1-1-19 11 /-21 17 -^2/-23 10 -24/-25 -21/-27 18.853.014.6 6.5 3.3 1.8 1.0 5759 5759 . 7 • D 5759 No. Obs. Zz' Mean No. of Hours with Temperature Element (X) ¥ ø<sub>g</sub> Rel. Hum. 33804834 432428 75.115.226 5759 5 0 F ± 32 F ≥ 67 F ≥ 73 F \* 80 F ● 93 F 156723 27.213.234 24.8 494.6 26.8 552.6 5759 Dry Bulb 5273507 720 1.8 143880 5759 720 Wet Bulb 4384542 Dew Point 3151117 113727 19.712.539 54.3 633.6 5759

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE (OL A) 0.26.3

BLOMAL CLIMATOLOGY BRANCH AFLITAC AI AFATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

DEC 14914 STATION HECTOR APT FARGO NO 73-80 0000-0200

																		PAGE	1	HOURS LL	
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0. > 31	D.B. W.B. D	ry Bulb	Wet Bulb D	ew Por
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2 / 27	1.5	2.7					<u> </u>							1	1		<del></del>	31	31	36	19
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24/ 23	2.0	3.6	• 1											1	1			43	43	58	3
72/ 21	3 - 4	2.8	1	'		Ì	ĺ	1	1	1	1					Ì		46	46	5 <b>5</b> ,	50
2./ 19	3.0	2.7															•	42	42	37	4
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1 / 15	3.0	3.4													1			47	47	48	37
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Rel. Hum.												5 0		≤ 32 F	≥ 67	F	≥ 73 F	≥ 80 F	∗ 93 F	To	tal
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USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### **PSYCHROMETRIC SUMMARY**

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Temp.						WET	BULB	TEMPE	RATU	RE DE	PRES	SION	(F)						TOTAL	:	TOTAL	
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Wet Bulb		22	4778		84	20	11.3	13.2	201		74	+4	21	• 1	91.6		_1		<u> </u>			93
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USAFETAC FORM 0.26 3 OL A PREVIOUS FOITS OF THIS FORM ARE OBSOLETE

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#### PSYCHROMETRIC SUMMARY

14514 HECTOR APT FARGO ND 73-80 DEC STATION NAME YEARS MONTH
PAGE 1 0300-0500

																	PAGI	L 1 _	HOURS IL	
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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LURAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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DULEMAL CLIMATOLOGY BRANCH DIFFETAC 41 - REATHER SERVICE/MAC 1-714 HECTOR APT FARGE

#### **PSYCHROMETRIC SUMMAR**

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

HELMAE CLIMATOLOGY RRANCH LIFETAC A' WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AL WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

| Temp. | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | (F) | 0 | 1-2 | 3.4 | 5.6 | 7.8 | 9.10 | 11.12 | 13.14 | 5.16 | 17.18 | 19.20 | 21.22 | 23.24 | 25.26 | 27.28 | 29.30 | 23 | D.B. W.B. Dry Bulb Wet Bulb Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point | Dew Point

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## PSYCHROMETRIC SUMMARY

1-914 MECTOR APT FARGO ND STATION NAME

73-80

DEC MONTH

PAGE

PAGE 2 0900-1100

Temp.						WET	BULB	EMPER	ATURE	DEPR	ESSION (	F)					TOTAL		TOTAL	
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USAFETAC FORM 0.26 3 OL A PREN SOU FOIL ON SOFTHIS FORM ARE OBSOLETE

BLUTAL CLIMATOLOGY BRANCH CONFETAC

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#### PSYCHROMETRIC SUMMARY

19914 HECTOR APT FARGO NO STATION NAME

73-80

DEC

PAGE 1

1200-1400 HOURS (L. S. T.)

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0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Wet Bulb

Dew Point

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AT: MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

93

93

14514 STATION HECTOR APT FARGO NO 73-80 DEC YEARS 1200-1400 HOURS ... S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) -.2/-23 -24/-25 -2:1-27 2 -28/-29 TOTAL 30-156-711-6 1-5 744 744 No. Obs. Mean No. of Hours with Temperature Element (X) **\***, 744 ≥ 67 F 73.713.826 Rel. Hum. 4182065 54825 5 0 F ≤ 32 F ≥ 73 F ≥ 80 F | → 93 F Dry Bulb 331645 16.313.412 744 13.8 82.3 12137 93

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

14914 HECTOR APT FARGO NO 73-80 DEC 1500-1700 PAGE 1

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Element (X)		ZXI			ZX		¥	₹ ×	•	No. Ob	•-				Mean	No. of	Hours wi	ith Temperat	ture		
Rel. Hum.												± 0 F	$\overline{}$	≤ 32 F	≥ 67	7 F	≥ 73 F	≥ 80 F	- 93	F	Total
Dry Bulb													I						1		
Wet Bulb													I								
Dew Point						$\overline{}$		-													

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(OL A)

0.26-3

FORM VIV

USAFETAC

Dew Point

251667

SECRAL CLIMATOLOGY BRANCH STAFETAC

#### **PSYCHROMETRIC SUMMARY**

ATH MEATHER SERVICE/MAC 14414 HECTOR APT FARGO ND 73-80 DEC STATION STATION NAME 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) - 2/-23 -24/-25 -7-1-27 1 · /-29 ~ /-31 TOTAL 27.757.712.5 1.7 744 744 744 No. Obs. Element (X) Mean No. of Hours with Temperature 54638 744 Rel. Hum. 4162086 73.414.188 ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F \* 80 F ∗ 93 F Total Dry Bulb 348462 12556 16.913.557 744 12.3 80.8 93 15.612.983 9.615.696 Wet Bulb 306096 744 13.0 11600 86.3 93

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USAFETAC FORM 0.26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### **PSYCHROMETRIC SUMMARY**

1 - 9 1 4 HECTOR APT FARGO ND 73-80 DEC

STATION STATION NAME YEARS
PAGE 1 1800-2000

																	PAGE	. •	HOURS	
Temp.										DEPRE							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 2	2 23 - 2	4 25 - 26	27 - 28 29	- 30 × 31	70.8. W.B. C	bry Bulb	Wet Buib D	ew Po
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26/ 25	1.9	5.6	• 1						1	1			1	1	<del> </del> +	*****	57	57	50	
24/ 23	1.5	2.2	. 4					l	į	ļ				Ì	1	:	30	30	46	
2/ 21	2.4	3.0							1	1			1	1	1	1	40	40	42	
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12/ 11	1.9	1.3						}	}	-		1		1	1 1	1	24	24	41	
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Dew Point													-		<del>                                     </del>	1	<del> </del>			

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AT- MEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14614 STATION	нE	CTOR	APT	FAR	GO N	AME				73-	-8C			YE	ARS				D	E C
																	PAS	E 2	1800 HOURS	-2008
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Element (X)		ZX'			Σχ		X	€ <sub>R</sub>		No. O	bs.				Mean No	. of Hours	with Temperat	lure		
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Dry Bulb			7804		105	12	14.1	13.6	91		44	17	. 3	87.9						9
Wet Bulb			3334		98	76		13.3			744	18		90.0		1	1			9
Dew Point			0337			55	7.9	16.1	70		44	29		91.6		1		1		9

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.B. W.B.	Dry Bulb W	et Bulb De	-w P
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25/ 27	3.4	2.7			}	l	İ	l				' ł				i	1	45	45	49	
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24/ 23	1.6	4.0	• 3									1			i	į		44	44	56	
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tel. Hum.								<u></u>				± 0 F		32 F	≥ 67 F		73 F	≥ 80 F	• 93 F	Tot	tal
Dry Bulb													$\top$						1		
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USAFETAC AI: WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14514 STATION		CTOR		5	ATION N	AME				73-				YE	ARS					- WOI	E C
																		PAGE	5 3	2100	<b>- 2 3</b>
Temp.								TEMPERA										TOTAL		TOTAL	
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Element (X)		ZX	L		ž x	<u> </u>	<u> </u>	- F	1	No. O	bs.				Mean N	lo. of H	ours wit	h Temperati	ure l		
Rei. Hum.			8626		573	30		13.77	'5		44	20		: 32 F	≥ 67		73 F	- 80 F	→ 93 F	Τ,	010
Dry Bulb			2125		95	37	12.8	13.72	21		44	18		90.6				<del>                                     </del>	1		_
Wet Bulb			3732		90		12-1	13.47	73		44	20		91.1				<del>                                     </del>	1		
Dew Point			4116		51		6.9	16.36	. 0		44	30	. 0	92.4		- 1		1	1		

14514 HECTOR APT FARGO ND STATION (F) 1 - 2 46/ 45

USIFETAC

GLUBAL CLIMATOLOGY BRANCH

AT: WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY** 

DEC

STATION NAME YEARS MONTH PAGE 1 ALL HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 5 - 6 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 \* 31 D.B. W.B. Dry Builb Wer Builb Dew Point 7 - 8 • 1 • 0 44/ 43 • 1 11 11 41 18 18 46/ 39 . 0 . 2 . 1 • 0 16 16 16 31./ 37 • 1 40 40 22 341 35 . 1 56 56 25 1.7 166 124 46 166 1.0 31 2.3 • 1 243 243 184 165 1.2 1.7 195 195 241 139 . 2 241 27 2.2 2.9 298 315 315 187 ?1/ 25 1.7 3.6 • 1 325 263 325 338 24/ 23 1.6 2.8 . 2 276 276 335 226 21 3.0 2.9 396 221 367 367 318 20/ 19 3.0 3.9 . 2 427 427 342 348 3.2 10/ 17 1.9 316 316 360 340 15 1.9 2.9 14/ . 4 312 300 331 312 14/ 13 3.3 • 1 303 303 276 331 1.8 12/ 11 2.0 226 226 296 235 1.9 2.4 1.7 278 254 254 260 7 1.0 41 3.3 255 255 245 228 5 2.9 7 214 214 253 180 . 6 2.8 200 200 193 188 1 . 3 3.7 238 215 238 228 2.2 1.0 - 1 192 193 208 180 1.0 1.7 -./ 175 161 161 140 -5 196 2.2 172 172 109 -c/ -7 2.1 137 137 153 145 2.2 132 132 138 141 -16/-11 112 112 112 174 -12/-13 66 66 66 128 -14/-15 71 71 71 186 1.2 -16/-17 +0 40 40 141 -1 /-19 32 32 32 165 -21/-21 18 18 18 123 Element (X) ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb Dew Point

73-80

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SECHAL CLIMATOLOGY BRANCH INFETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

STATION STATION NAME 73-80 DE C 16914 PAGE 2 TOTAL Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 × 31 D.B. W.B. Dry Buib Wet Buib Dew Point (F) -12/-23 . 2 14 14 14 97 -2-1-25 20 20 78 -20/-27 • 1 5 5 40 5 24 -7./-29 -76/-31 22 -7./-33 15 12 -34/-35 -7:/-37 --1/-41 1 TOTAL 42.252.7 4.6 .5 5951 5951

No. Obs. Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F Rel. Hum. 35692134 453564 76.213.739 5951 ± 0 F ≤ 32 F Total 146.8 705.0 Dry Bulb 2158569 79017 13.313.655 5952 744 5951 156.2 720.6 240.5 737.1 744 1973900 74136 12.513.286 Wet Bulb Dew Point 7.016.043 5951 1825449 41837 744

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

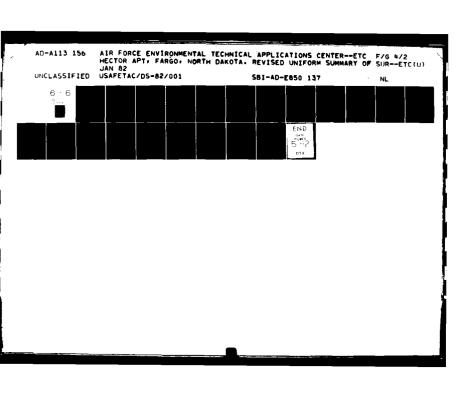
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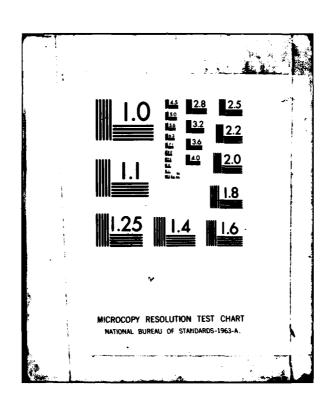
SELEMAL CLIMATOLOGY BRANCH STAFETAC ALS SEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMA

4514		CTOR	AFI		TATION N	-				73-	0.1			YEAR	5					<del>_</del>
																		PAGE	1	A HJ. RS
Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (F	;}						TOTAL		TOTAL
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26 27	- 28 29	. 30		).B. W.B. C	ry Bulb	Wet Bulb
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-/103				Ĺ	Ĺ		<b></b>	ļ									•0	4	4	
2/101		Ì		<u>!</u>	i		1				1	ما	j	ام	• 0)	• 0	• 0	10	10	
E/ 97					ļ		ļ	<del> </del>	1			• 0		• 0	•0	• 0	• 0	17	27	
6/ 97 6/ 95					l		1		_	• 0	• 0	• 0	• 0	• 0	• 0	•0	.0	27	_	
6/ 93		ļ	. <u></u>	L	<del> </del> -	<u> </u>	ļ	ļ.,	• 0	•0	• 0	•0	• 0	• 0	•0	•0	•0	70	70.	
. / 93				[					1	•0	• 0	.0	• 0	• 0	• 0	• 0	• 0		86	
/ 89					•0	• 0	3		1	•0	• 0	• D	•0	• 0	•B	• 0	•0.	252	148 252	
٤/ 87									1 -1	. 1	1	- 7	• 0	• 0	• 0	• 0	• 0	395	395	
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4/ 83			.0	.0	į.		1 -			. 1	. 1	1	• 1	. D	.0			727	727	
1/81		•0	•0	•0						. 1	• 1	• 1	•0	.0	• 0			817	817	
/ 79	.0	1 -1	.0	l	1		3			. 2	. 1	. 1	• 0	• 0	• 0	1		1082	-	36
77	•0	<u></u>	.0							• 2	• 1	.0	•0	•0					1174	119
e/ 75	• 0	l I	• 1	. 2	i		!			. 1	. 1	.0	• 0	• 0			- !	1382		285
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72/ 71	• 0		• 2	. 3		1			1	. 1	. 1	• 0	• 0					1535		697
/ 69	• 0		. 4						1	• 1	• 1	• 0			+			1932	-	1066
1 67	• 0	• 2	. 4	. 4	. 4	. 4	. 3		. 2	• 1	• 0	. 0	!	1	1		1	1917	1917	1512
6/ 65	• 0	. 4	• 5	.6						• 1	• 0	.0						2118	2118	1628
4/ 63	. 0	. 4	.6		. 4	. 3	∮ .3			. 1	• 0		1	!				2066	2066	2136
2/ 61	• 0	• 6	.6	• 5	. 4			•	1	• 0	• 0							2051	2051	2516
J 59	• 0	• 6	. 7	• 5	. 4	.3	. 2	• 2	2 • 1	• 0	• 0		1	1	i		;	2096	2096	2777
1 57	• 0	• 7	. 7	• 5			. 2	• 1	• 1					1				2025		
5 / 55	1	• 6	• 6	. 4	. 4	.3			.0					i_	Ì	_	i	2007	2007	2589
4/ 53	• 1	• 6	• 6	• 5			• 2		1 1					İ				1862	1962	2531
2/ 51	• 1		. 6													1	i	1700		
55/ 49	• 1	• 5	.6	L					1 1					1		1	Ī	1618		
1 47	. 1		.4	. 4														1405		
11/ 45	• 1	• 6	• 6		l			1	1 1							1		1586	-	
4/ 43	- 1		. 7			<del></del>			1							<u> </u>			1527	
2/ 41	• 1	1 1	.8	ł	1	ı	1	1	] [	]	- 1				ŀ	i	1	1	1567	
/ 39	• 2		. 8						ليجيك									1464		1935
lement (X)		ZXI			ZX	_	<u> </u>	•,		No. Ob	••							Temperatu	<del></del>	
el. Hum.								<del> </del> -				± 0 F	+-	'2 F	≥ 67 F	2 7	3 F	≥ 80 F	≥ 93 F	
ry Bulb let Bulb				<del> </del> -									+	<del></del>		<del> </del>			<del> </del>	<del>-                                    </del>
						+		<del> </del>	-+-							<del>  -</del> -			<del> </del>	
Dew Point				L		L		L	L		1			1		1			l	

USAFETAC FORM 0.26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN  $\gamma_1$ 





GLIRAL CLIMATOLOGY BRANCH LIFETAC AIF REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

14-14 STATION HECTOR APT FARGO ND

73-81

ALL

																	PAGE		HOURS I	L L 5. T.
Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	30 = 31	D.B. W.B.	ry Bulb	Wet Buib	Dew P
3 / 37	. 1	.9	.6	. 3	• 1	•0											1451	1451	1811	181
36/ 35		1.3	. 6	. 2	. 1	•0	1	j		}						j	1668	1668	1865	21
34/ 33		1.5	. 7	. 2	• 0												1964			
72/ 31		2.0	. 7	. 1	•0				1	[							2331		2174	
30/ 29		1.4	• 5	. 1	-0			<del> </del>	<b></b> -	<del> </del>					<del>                                     </del>	<del></del>	1674		2339	
1 27		1.5	. 3	.0	•			}	}	1					1	}	1586		1920	
1 25		1.6	. 2						<del>                                     </del>	<del>                                     </del>		<del></del>			<del>   </del>		1567			
4/ 23		1.2	. 1	. 0					1			1		[ ]		ĺ	1187	-		
2/ 21	-:7	1.3	• 1	.0				<del></del>	<del> </del>	<del> </del>						<del></del>	1508			
C/ 19		1.3	1	ď					ĺ	l				Ì		Î	1580			
17		1.2	-1	• 4					<del> </del>	<del> </del>		<del> </del>		<del> </del>	<del></del>	<del></del>	1258			
				- }				ļ	]	j						i	1157	- 1		
1/ 15 4/ 13		1.1	-0					<del> </del>	<b>├</b>					<b></b>		<del></del>	+			
	- 1	1.0	- 1	- 1				Ì			ľ	1		İ		1	4 1	1087		-
2/ 11	- 8	• 6	-0	+				}		<del> </del>	<b> </b> -			ļ	<del> </del>		+		1261	
. / 9	• 6	- 8	•0	)				ļ	,	1					l i	1	987	987	954	
7 7		1.1						ļ	<del>  </del>	ļ	<b> </b>	<b> </b>					<del></del>	1154	1035	
1/5		1.1		ŀ				[	ĺ	[	ĺ	ĺ		ĺ	1 1	1	1 1	1037	1281	7
4/ 3		1.2						ļ	<del> </del>	<u> </u>							1006	1006	1008	8
./ 1	1	1.3	- }				1	j	ì	1	}			)		1	996	997	920	
/ -1	- 8	.3					<u> </u>	↓		<b>-</b>	ļ	L					759	760	877	6
1/ -3	- 5	- 4	1	l		'		<b>!</b>	ļ								643	644	724	8
4/ -5	- 8	•1						<u> </u>	<u> </u>		L						639	639	710	_ 7
c/ -7	- 8	• 0	- 1	ł			ł	l	}	l	ł	} }		}		1	555	555	589	6
1 -9	. 7							<u> </u>	<u> </u>	l	<u> </u>	1		<u></u>			517	517	532	6
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./-13	. 4	. 1	]	_ 1			[ _	l _	Ĺ _	Ĺ	L			Ĺ	lL	l	267	267	267	4
4/-15	.6						[	1			-						408	4D8	408	6
6/-17	. 4	ì	- 1	ł		ļ	1	}	Į	ļ	ļ				] ]	ļ	283	283	283	5
1-19	. 4							T	1	]							275	275	275	6
07-21	. 2			1		1			1	1	l	[		1		1	165	165	165	4
2/-23	• 1							Ť	T								86	86	86	3
4/-25	. 1		ł	}		İ		i	1	ł	1			}		1	82	82	82	3
1-27	•1						<del>                                     </del>	1		1	1			$\vdash$			52	52	52	2
1-29	a	]	}	j		}	]	1	!	1				ļ	]		7	7	7	
ement (X)		· **			ž <sub>X</sub>		· X	1 .	<del>'</del> —	No. Ol	s. T			Ь	Mean No.	of Hours wit	h Temperatu	re		
i. Hum.						$\dashv$	<del></del>	<del>†                                 </del>	-+-			± 0 F	. ,	32 F	≥ 67 F	≥ 73 F	→ 80 F	≥ 93 F	<del></del>	rote (
ry Bulb						-		<del>                                     </del>	-				<del>-   -</del>			- · · · ·	1	<del>                                     </del>	<del></del>	
et Bulb						$\dashv$		<del>                                     </del>	<del></del>						<del>                                     </del>		<del>                                     </del>	<del> </del>	<del></del>	
ew Point						-+		<del> </del>	+		<del></del>				<del> </del> -		<del>                                     </del>	<del> </del>	<del></del>	
, vini								ــــــــــــــــــــــــــــــــــــــ								<u> </u>	<u> </u>	ــــــــــــــــــــــــــــــــــــــ		

FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ULLFAL CLIMATOLOGY BRANCH UTAFETAC AI WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	HE	CTOR	R APT		GO A					73-	81			YE	ARS						LL
																		PAG	£ 3	HOURS	LL L. S. T.
Temp.			_			WET	BULB	TEMPER	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.			
-7u <b>/-31</b> -72 <b>/-33</b>	•0																	5	7	5	12
34/-35	• 1		<del> </del>		<del> </del>	<del> </del>	<del> </del>	<del> </del>										1	2	1	
3./-37	• .		1		1										1	i		-	-	•	5
7-39					<del>                                     </del>													<del> </del>		<del> </del>	+
/-41			1		1	i												İ	İ		
TAL	16.5	33.0	14.0	9.1	6.7	5.5	4.4	3.6	2.7	1.8	1.2	. 7	. 4	• 2	. 1	- 1	•0	70101	70115	70161	7010
																					-
*	<del></del> -		-																		-
Element (X)		Zx2	Ц.,	<del>                                     </del>	ž <sub>x</sub>	┶┰	<u> </u>	•,	<del></del>	No. OI	a. T			نـــــــــــــــــــــــــــــــــــــ	Mean P	io. of He	ours wit	h Tempera	fure	Ь——	—
Rel. Hum.		5577	71061	4	821		68.8	18.5	59	701		± 0		32 F	≥ 67	F	73 F	→ 80 F	• 93		Total
Dry Bulb	1	6776	7596	2	8937	146	41.3	26.2	57	701								460.	0 27	.0	876
Wet Bulb			11980		5609	70	36.5	22.6	15	701				73.2							876
Dew Point	1	0271	17203	2	1352	239	30.5	23.1	84	701	01	1066	. 844	34.3	194	. 9	27.9	•	4	İ	876

GLOBAL CLIMATOLOGY BRANCH SISSETAC ALE WEATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 - 14 HECTOR APT FARGO ND 73-81

STATION		STA	ATION NAME						YEARS	· <del></del>			
HRS. (L.S.T.)	JAN.	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ANNUAL
MEAN S.D.	2.8 15.018										25.2 12.131	12.3 13.443	37.0 23.89
IOTAL OBS	744	678	744	720	744	720	744	744	720	744	-720	744.	876
MEAN S D	1.6				48.1							11.2	34.
TOTAL OBS					10.390 - 744						12.235	13.476 <del>744</del> -	23.212 876
MEAN	1.5	7.6	2 Ü • 🛭	37.3	51.0	60.1	65.3	60.9	50.2	38.4	23.1	10.7	35.
E = JE S.D. TOTAL OBS		14.746		1	!						12.265		24.26
MEAN	<b>*</b>	ļ — — —	1										
- i 1 S.D.	2.7 14.639		1		11.177	7.424	6.347	i	9.341	9.758	26.7 12.695		41. 24.84
	744	678	744	720	744	720	744	744	720	744	<del>- 720</del>	<del></del>	876
MEAN S. D.		15.9						_				16.3 13.412	47. 27.55
TOTAL OBS	744			F	-	720		744	720	744	720	744	876
MEAN S.D.	8.6			52.4							1 - 1	16.9	48.
1 -17 TOTAL OBS	13.875 743	14.264 678	_	13.971 728		8.356	7•383 <del>- 74</del> 4	8,643	11.401 -720	11.771	14.027 720	13.557: <del> 744</del> #	27.83
MEAN	5.9	14.6	28.1	49.0	64.2	72.1	78.1	د.	62.2	48.1	28.2	14.1	44.
1 -20 TOTAL OBS	14 776	14.170	12.568		11.419		7.173	8.324	0.552	10.313	12.706	13.691	27.23
MEAN	+		-										
	4.1 14.713							7.947		9.769	26.0 12.546		39. 24.93
	744	678	743	720	740	720	744	744	720	744	719	744	976
ALL S. D.	14.765	12.0	25.0	43.9			72.1					13.3 13.655	41.
TOTAL OBS	5950	5424	5951	5760	5944	5760					11	3932	7011

USAF ETAC FORM 0-89-5 (OL A)

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na - Jan

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CLOBAL CLIMATOLOGY BRANCH USAFETAC ATHUR SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

HET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 14 HECTOR APT FARGO ND 73-81
STATION STATION NAME YEARS

SIAHON			51A	HON NAME						YEARS				
IRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL
	MEAN	2.5	9.0	20.5	35.4	46.0	55.0	60.6	57.7	48.3	37.8	23.6	11.3	34.
0-01	S D	14.6541			1									22.00
	TOTAL OBS	741												876
													· ··· -·	
	MEAN	1.4	7.7	19.4	33.7	44.0	53.2	58.8	56.1	46.6	36.3	22.5	10.7	32.
ر: مور:	S D TOTAL OBS	14.4901		- :						- 1				21.81
	. IOIAL OBS	742	678	744	720	744	<del>-720</del>	744	744	720	744	<del>720</del>	<del>743</del> -	876
	MEAN	+												
	S.D.	• 8:	7.1	19.0	34 • 4	46.1	55.8	60.8	57.2	47.0	35.8	21.9	10.1	33.
· - 36	TOTAL OBS	14.5421	4.419	13.145	9.294	9.370	6.022	5.751	6.379	8.719	8.443	11.634	13.276	22.61
	. 101112 000	740	678	744	<del>720</del>	744	720	744	744	720	<del>- 74</del> 4	720	744-	876
•	MEAN	,												••
	S. D.		9.9		1							24.8		36.
-11	TOTAL OBS	14.3131 + - 744				744	-1						744	23.39
			0/0	744	720		720	744	7.4	720	777	120		010
	MEAN	6.5	14.5	26.4	42.3	53.2	61.8	66.7	63.7	55.4	44.0	24.5	15.1	40.0
17-14	\$. D.	13.5261												22.51
	TOTAL OBS			744						720			744#	
	·	<del></del>												
	MEAN	7.8	16.1	27.9	43.4	53.9	62.2	66.9	64.0	55.9	45.3	28.7	15.6	40.
1:-17	S. D. TOTAL OBS	13.3661	3.189	10.968	9.232	8.300	5.725	5.664	6.099	7.502	8.333	11.531	12.983	22.17
	LICIAL OBS	<del>- 743</del>	678	744	720	743	720	744	744	720	744	<del>- 720</del>	<del>744</del> #	876
	MEAN					52.						35 0		
11-2-	5. D.	,		25.6				66.0					13.3	38.0
12	TOTAL OBS	14.0261												22.661
			010		720	7 7 8	720			720	143	720		010
	MEAN	3 - 8	11.0	22.9	38.2	48.8	57.7	62.8	59.6	50.0	39.4	24.1	12.1	36.
1-23	S. D.	14.3511											13.473	22.22
	TOTAL OBS			743						720	744		744	<del></del>
	MEAN												<del>}</del>	
ALL	. MEAN S. D.	II i	11.1					63.4	60.3	51.1	40.3	25.0	12.5	36.
HOURS	TOTAL OBS	14.3551	4.215	12.454	9.941	9.475	6.896	6.558	6.909	8.816	9.022	11.713	13.286	22.61
	. J.A. 083	<del>" 5938 </del>	-5424	<del>5958</del>	<del>- 5760</del>	<del>- 5944</del> i	<del>- 5760</del>	<del>- 5952</del>	5952	<del>- 5760</del>	5951	5759	<del>- 5951</del>	7010

USAF ETAC PORM 0-89-5 (OL A)

SECOND CLIMATOLOGY BRANCH SCAFETAC ATT REATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1:-14 HECTOR APT FARGO NO 73-81
STATION STATION NAME YEARS

• • • • • • • • • • • • • • • • • • • •			•											
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ANNUAL
	MEAN	-3.5	3.5	16.1	30.3	39.8	51.5	57.3	54.2	44-1	33.0	19.1	6.1	29.
ย <b>−</b> 32	S. D.	17.730											16.040	23.396
	TOTAL OBS				720				744				<del> 744</del> *	876
		<b>.</b>												
	MEAN	-4.7	2.3	15.2	29.3	39.0	50.5	56.4	53.5	43.3	32.2	18.2	5.4	28.5
i-35	S. D.	17.002												23.484
	TOTAL OBS	742											743-	876
		<u>.                                    </u>								<del></del>			· · •	
	MEAN	-5.4	1.6	14.8	30.0	40.7	52.4	57.8	54.5	43.9	32.0	17.9	4.9	28.9
"F-35	3. U.	18.106	16.888	15.018	10.209	10.852	6.832	6.372	6.865	9.430	9.060	12.976	16.174	24.141
	TOTAL OBS	740	678	744	720	744	720	744	744	720	744	720	744-	876
	MEAN	<b>,</b> <del>,</del>												
	S. D.	-3.9				42.4						19.9		30.9
-11	TOTAL OBS	17.370				-								23.954
		<u> </u>	678	744	720	744	720	744	744	720	744	720	744	8764
•	MEAN	•1	0.5	2 0	72 7	4. 3. 7		FO 1	E	44.6 10	35.4	21.7		32.1
• - 14.	5. D	16.065				41.7			55.8					
12-14	TOTAL OBS	744											744	8766
	• - <del></del>		010	J., 10 10.					- ( -			120		
	MEAN	1.4	9.9	21.2	32.7	41.1	52.8	57.9	55.0	45.3	34.8	21.6	9.6	32.0
15-17	5. D	15.962												
• •	TOTAL OBS												744	8764
	MEAN	5	8.0	20.0	32.4	40.8	53.1	58.4	55.1	45.2	34.4	20.3	7.9	31.3
121	5. D	16.822	15.621	12.474	10.312	12.102	8.415	8.326	8.364	9.952	9.805	12.267	16.170	22.719
	TOTAL OBS	744	678	743	720	741	720	744	744	720	743	720	744	8761
	! :													
	MEAN	-2.3	5.7							44.5			6.9	30•9
1-23		17.247	16.241											23.169
	TOTAL OBS	743	678	743	720	790	720	744	744	720	744	719	744	A756
	MEAN													
ALL	S, D.	-2.4	5.5			40.8		58.0				19.7	14	30.9
HOURS	TOTAL OBS											12.539		23.184
	IOIAL OBS	5938	5424	5950	5760	5944	5760	5952	5952	5760	<u> 5951</u>	5759	5951	7010

USAF ETAC PORM 0-89-5 (OL A)

\* 1 700 601 117 1000 1000

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14714	HECTOR	APT	FARGO	NO
STATION				ON NAM

74-81

JAN

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
монтн	(L.S.T.)	10°•	20%	30%	40%	50%	60%	70°•	80°.	90°.	RELATIVE	NO. OF OBS.
JAN	00-02	100.0	100.0	100.0	99.9	99.2	83.8	54.9	34.6	14.6	74.1	79.1
	J3-05	100.0	100.0	100.0	99.9	99.2	83.6	54.2	34.9	14.2	73.9	742
	i6 <b>-</b> 08	130.0	100.0	100.0	100.0	99.2	84.9	52.3	33.6	14.2	73.7	790
	09-11	100.0	100.0	100.0	100.0	99.2	84.4	55.6	29.4	11.6	73.5	744
	12-14	100.0	100.0	100.0	100.0	98.8	81.6	52.6	26.9	9.5	72.5	744
	15-17	100.0	100.0	100.0	100.0	98.8	77.3	49.9	27.6	11.3	72.1	743
	18-20	100.0	100.0	100.0	100.0	99.2	81.0	55.6	32.8	10.9	73.4	744
	21-23	100.0	100.0	100.0	99.9	99.6	83.1	55.5	35.3	13.5	74.1	740
		-		-	<del> </del>	ļ 	ļ					
τo	TALS	100.0	100.0	100.0	100.0	99.2	82.5	53.8	31.9	12.5	73.4	5938

USAPETAC POIM 0-87-5 (OL A)

2

GLUBAL CLIMATOLOGY BRANCH DSAFETAC ATT WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14914	HECTOR	APT FARGO	ND
STATION		STAT	ON NA

74-81

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAC	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80%	90∘.	HUMIDITY	NO OF OBS.
FEE	JO-02	130.0	100.0	100.0	99.9	99.1	88.9	64.9	41.6	15.3	76.3	678
	03-05	100.0	100.0	100.0	99.9	99.6	90.7	66.7	39.1	14.2	76.4	678
	06-08	100.0	100.0	100.0	99.9	99.3	89.7	66.8	40.6	13.3	76.3	678
	11-ون	100.0	100.0	100.0	100.0	99.4	88.9	64.9	34.5	8.3	75.0	678
	12-14	100.0	100.0	100.0	100.0	99.0	85.0	58.8	21.7	4.1	72.4	678
	15-17	100.0	100.0	100.0	99.9	96.8	81.3	55.8	23.3	4.7	71.6	678
	18-23	100.0	100.0	100.0	99.9	98.7	87.2	65.3	33.6	8,6	75.0	678
	21-23	100.0	100.0	100.0	100.0	99.4	91.6	67.3	41.3	11.5	76.4	678
10	TALS	100.0	100.0	100.0	99.9	98.9	87.9	63.8	34.5	10.0	74.9	5424

USAFETAC ROBM 0-87-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14914	HECTOR	APT	FARGO	Nú
STATION				ON NA

74-81

PERIOD

MAR

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	-1"		PERCENTA	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80%	90°.	RELATIVE	OBS.
MAR	₩ <b>0-</b> 02	100.0	100.0	100.0	99.5	98.0	92.5	77.8	52.6	13.8	79.0	749
	3-05 در	100.0	100.0	100.0	100.0	98.4	92.6	81.2	58.3	16.7	80.1	744
	36-08	100.0	100.0	100.0	99.9	99.3	93.0	81.0	57.0	16.3	80.3	744
	09-11	100.0	100.0	100-0	98.5	96.0	86.6	66.3	37.9	12.1	75.2	746
	12-14	100.0	100.0	97.7	94.9	90.6	77.3	52.2	23.0	5.5	69.8	744
	15-17	100.0	100.0	96.4	93.4	88.2	75.8	49.5	20.6	5.0	68.5	744
	18-20	100.0	100.0	98.9	97.3	93.4	83.0	62.2	30.1	9.6	72.9	74:
	21-23	100.0	100.0	100.0	99.2	97.3	91,8	76.2	45.5	11.3	77.8	74
,	<del> </del>	-		<b>-</b>								
fΟ	TALS	100.0	100.0	99.1	97.8	95.2	86.6	68.3	90.6	11.3	75.5	595

USAPETAC ROBM 0-87-5 (OL A)

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GLESAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC **RELATIVE HUMIDITY** 

14914	HECTOR	APT FARGO NO
STATION		STATION NAME

74-81 PEROD

APR

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GI	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO OF OBS.
APi-	00-02	100.0	100.0	99.3	95.4	88.2	75.8	59.6	44.2	18.2	73.7	720
	03-05	100.0	100.0	100.0	97.8	93.9	83.1	68.2	49.8	22.2	77.1	720
	06-08	100.0	100.0	99.9	98.8	93.2	81.5	65.8	47.4	21.0	76.5	720
	<u>u9-11</u>	100.0	99.2	94.7	85.7	71.7	59.7	44.4	26.4	10.7	64.9	720
	12-14	100.0	95.0	83.6	70.3	58.2	45.7	31.0	18.8	7.1	56.6	720
	15-17	99.9	92.1	78.8	66.4	50.6	38.9	24.6	14.9	6.3	52.9	720
	18-20	100.0	95.8	84.3	74.2	61.7	50.7	32.6	17.4	7.1	58.2	720
	21-23	100.0	99.6	95.7	88.8	79.4	66.1	52.6	33.3	13.1	68.4	720
				-								
TO	TALS	100.0	97.7	92.0	84.7	74.6	62.7	97.4	31.4	13.2	66.0	5761

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH UPAFETAC AIF WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14914	HECTOR	APT	FARGO	ND
STATION				ON NA

74-81

MAY

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAG	E FREQUENC	OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80°.	90%	RELATIVE	NO OF OBS.
MAY	00-02	130.0	100.0	97.8	88.6	76.2	62.1	45.8	31.9	13.7	67.4	744
	03-05	100.0	100.0	100.0	95.8	85.1	73.7	59.1	41.0	16.5	73.0	744
·	06-08	100.0	100.0	99.7	94.0	82.1	68.0	51.9	31.2	11.4	69.9	744
	09-11	100.0	98.4	87.2	73.1	58.5	42.6	26.5	13.0	4.3	56.1	744
	12-14	100.0	89.8	74.1	56.0	38.3	24.9	13.2	7.7	2.8	46.4	744
·	15-17	100.0	85.2	68.5	48.0	30.0	19.0	11.4	6.2	2.0	42.9	743
	18-20	100.0	89.9	73.8	56.7	38.9	26.2	17.0	8.1	2.2	47.0	741
	21-23	100.0	99.3	89.9	76.6	63.9	47.8	34.7	20.5	6.6	59.6	740
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				-			-	<del> </del>				
	<del> </del>	<del> </del>					<del> </del>					
10	TALS	100.0	95.3	86.4	73.6	59.1	45.5	32.5	20.0	7.4	57.8	5944

USAFETAC FORM 0-87-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH USAFETAC Al REATHER SERVICE/MAC

### RELATIVE HUMIDITY

14914	HECTOR APT	FARGO NO
STATION		STATION NAM

73-80

JUN

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	(L.S.T.)	10°•	20%	30%	40%	50%	60%	70%	80°.	90%	RELATIVE HUMIDITY	O&\$.
JUN	LO-02	100.0	100.0	100-0	99.4	94.3	83.3	66.9	43.1	15.0	76.2	720
	63-05	100.0	100.0	100.0	100.0	97.5	91.5	80.0	56.8	22.6	81.3	720
	06-08	100.0	100.0	100.0	99.9	97.6	86.5	68.8	42.2	14.7	76.9	720
	69-11	100.0	99.9	99.4	92.8	72.9	47.4	27.4	15.3	4.6	61.8	720
	12-14	100.0	99.7	93.9	69.6	44.0	25.3	16.3	6.9	1.5	51.5	720
	15-17	100.0	98.9	87.5	59.2	34.2	22.1	12.8	5.6	1.4	48.0	720
	18-20	130.0	99.4	93.6	75.1	52.6	31.9	19.9	8.2	2.4	53.8	720
	21-23	100.0	100.0	99.7	95.7	85.8	65.7	46.1	24.7	6.3	68.3	720
10	TALS	100.0	99.7	96.8	86.5	72.4	56.7	42.3	25.4	8.6	64.7	5760

USAPETAC POMM 0-87-5 (OL A)

GERAL CLIMATOLOGY BRANCH GERTAC AI JEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

14914	HECTOP	APT	FARGO ND
STATION			STATION NAME

73-80 PERIOD

JUL

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50°•	60°.	70°	80°.	90-:	RELATIVE	NO OF ONS
JUL	JG-02	100.0	100.0	100.0	99.7	97.8	87.1	69.6	43.6	9.1	76.3	
	03-05	100.0	100.0	100.0	99.9	98.5	96.0	84.1	53.5	15.7	91.5	744
	06-05	160.0	100.0	100.0	99.7	98.1	92.1	72.3	42.9	11.0	77.4	744
	De-11	100.0	100.0	99.3	92.5	76.5	48.9	25.0	10.8	1.5	61.0	744
	12-14	100.0	100.0	92.1	70.7	46.1	22.3	9.9	2.2	.3	50.3	744
	15-17	130.0	99.2	85.9	60.5	35.9	17.1	7.8	3.0	.7	46.6	744
	18-20	100.0	99.5	93.5	78.1	51.9	27.0	13.6	7,5	1.1	52.8	744
	21-23	100.0	100.0	100.0	98.8	90.7	69.8	44.2	18.5	3.4	68.1	744
	TALS	190.0	99.8	96.4	87.5	74.4	57.5	40.8	23.0	5.4	64.2	5952

USAFETAC ROBM 0-87-5 (OL A)

GLOCAL CLIMATOLOGY BRANCH GNAFETAC AIN WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14 - 14 STATION	HECTOR	API	FARGO STATE	NŪ NAN NA
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73-80

PERIOD

AUG MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN - RELATIVE	TOTAL NO OF
MONTH	(L.S.T.)	10%	20°∘	30%	40%	50%	60%	70°≉	80°.	90.	HUMIDITY	OBS
MJE	un-02	100.0	100.0	100.0	99.1	93.8	85.9	71.0	40.7	. 9.9	76.0	74
	3-05	100.0	100.0	100.0	100.0	97.8	92.3	83.6	59.1	16.1	80.9	744
	06-08	100.0	100.3	100.0	100.0	98.4	93.8	80.5	52.8	14.9	83.1	744
	U9-11	100.0	100.0	98.9	93.3	79.3	58.3	34.8	16.1	3.8	64.1	744
	12-14	100.0	98.9	92.5	74.5	48.9	29.3	15.2	7.3	2.3	52.5	74
	15-17	100.0	97.7	89.1	62.9	36.3	22.0	12.1	5.9	1.3	46.4	744
	18-20	100.0	99.3	93.7	81.7	59.0	36.0	20.8	8.7	1.5	55.8	744
	21-23	100.0	100.0	99.7	94.9	86.8	73.0	48.7	23.1	4.4	69.1	744
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	-		<del> </del>	<del></del>	<del> </del>		<del> </del>	<del> </del>				
									-			
TO'	TALS	130.0	99.5	96.7	88.3	75.0	61.3	45.8	26.7	6.8	65.9	595

USAFETAC FORM 0-87-5 (OL A)

2

GLERAL CLIMATOLOGY BRANCH O'AFETAC AID WEATHER SERVICE/MAC **RELATIVE HUMIDITY** 

14914	HECTOR	APT	FARGO	ND
STATION				ON NAM

73-80

SEP

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	'		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF OBS.
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°.	80%	, 90°°	HUMIDITY	
SEP	⊍G <b>-0</b> 2	100.3	100.0	100.0	97.6	92.4	81.3	66.4	40.7	11.7	74.9	720
	∪3 <b>-</b> 05	100.0	100.0	100.0	99.2	96.1	91.0	77.1	53.8	16.1	79.3	720
	J6-08	100.0	100.0	100.0	99.2	97.6	92.4	78.9	54.2	16.7	79.9	720
	<u> 59-11</u>	100.0	100.4	98.8	93.5	78.5	60.0	38.8	18.3	5.6	65.2	720
	12-14	100.0	98.3	88.5	68.3	48.1	32.6	18,6	11.0	2.9	52.3	720
	15-17	100.0	94.0	79.4	57.2	38.2	26.1	16.4	8.2	1.1	47.9	720
	18-23	100.0	99.2	91.9	76.7	58.9	42.1	28.6	15.1	2.2	57.3	720
<del></del>	21-23	100.0	100.0	98.8	94.2	82.2	66.0	49.0	25.1	6,9	68.0	720
<del></del>		-	1				<b></b>					
10	TALS	100.0	98.9	94.7	85.7	74.0	61.4	46,7	28.3	7.9	65.6	5760

USAFETAC FORM 0-87-5 (OL A)

GLURAL CLIMATOLOGY BRANCH DAFETAC ALE MEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14914 HECTOR APT FARGO ND STATION NAME

73-80

PERIOD

OCT

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAC	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80°:	90%	RELATIVE	NO. OF OBS.
261	00-02	100.0	100.0	99.9	97.2	92.7	79.8	59.5	35.8	12.4	73.6	744
	03-05	100.0	100.0	99.9	98.9	96.0	87.8	70.6	43.8	16.7	77.0	744
	36-08	100.0	100.0	100.0	100.0	97.3	91.4	74.9	47.6	18.4	73.7	744
	139-11	100.0	100.0	99.9	96.6	83.5	61.8	40.6	20.4	B.1	67.0	744
	12-14	100.0	99.6	92.5	73.5	50.3	32.1	18.8	12.0	5.8	54.1	744
	15-17	100.0	98.9	86.6	62.4	42.1	27.0	17.9	11.0	5.8	50.9	744
	18-20	100.0	100.0	96.9	86.5	68.9	49.3	32.8	16.6	7.4	61.7	743
	21-23	100.0	100.0	99.5	95.0	85.2	69.2	47.8	28.0	8.6	68.9	744
		<del> </del>	<del> </del>	<del> </del>	ļ ———	<u> </u>		<del>                                     </del>				
		<del> </del>	<del> </del>			<del> </del>				<u> </u>	-	
<del></del>	 		<del> </del>		<del> </del>				<del>                                     </del>			
го	TALS	100.0	99.8	26.9	88.8	77.0	62.3	45.4	26.9	10.4	66.5	5951

USAFETAC POM 0-87-5 (OL A)

GLEBAL CLIMATOLOGY BRANCH JOAFETAC A' JEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14914	HECTOR	APT	FARGO	ND
STATION			STATE	ON NA

73-80

NO V MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	<b>9</b> 0°•	HUMIDITY	OSS.
NOV	00-02	100.0	100.0	99.9	98.3	95.4	89.0	76.7	51.1	18.2	78.5	720
	03-05	100.0	100.0	100.0	98.6	96.7	91.9	79.2	54.7	21.0	79.6	720
	26-08	100.0	100.0	100.0	99.6	98.6	92.8	81.5	56.9	23.6	80.6	720
	<u> 69-11</u>	100.0	100.0	99.7	98.1	95.6	86.4	70.1	42.8	15.6	76.3	720
	12-14	100.0	100.0	97.1	91.7	85.7	69.3	47.2	26.0	7.2	68.1	720
	15-17	100.0	99.7	96.4	89.7	82.4	66.7	48.9	24.2	5.7	67.0	720
	16-20	100.0	99.6	98.9	96.9	92.4	80.1	65.4	39.7	11.9	74.0	720
	21-23	100.0	100.0	99.6	97.8	94.9	87,3	70.4	47.1	14.6	76.7	719
				-			<del> </del>					
то	TALS	100.0	99.9	99.0	96.3	92.7	82.9	67.4	42.8	14.7	75.1	5759

USAPETAC ROM 0-87-5 (OL A)

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: AEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

14714	HECTOR APT FARGO ND
STATION	STATION NAME

73-80

DEC

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80%	90%	HUMIDITY	NO OF OBS.
DEC	0 <b>0-0</b> 2	100.0	100.0	100.0	99.7	98.5	85.6	67.2	44.1	20.4	77.3	744
	03-05	100.0	100.0	100.0	99.3	98.3	85.7	68.2	46.4	20.6	77.4	743
	06-08	100.0	100.0	100.0	99.6	98.1	85.9	67.3	46.9	21.2	77.5	744
	C9-11	130.0	100.0	100.0	100.0	99.2	86.4	66.9	43.8	20.6	77.2	744
	12-14	100.0	100.0	100.0	99.9	97.3	79.2	56.5	32.0	15.7	73.7	744
	15-17	100.0	100.0	100.0	99.9	95.8	77.0	59.0	32.9	15.6	73.4	744
· · · · · · · · · · · · · · · · · · ·	18-20	100.0	100.0	100.0	99.9	98.5	83.2	66.8	42.6	17.6	76.2	744
	21-23	100.0	100.0	100.0	99.9	97.8	84.1	66.9	43.3	20.7	77.1	744
10	TALS	100.0	100.0	100.0	99.8	97.9	83.4	64.9	41.5	19.1	76.2	5951

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14-314 MECTOR APT FARGO NO STATION NAME

73-81 PERIOD

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°-	HUMIDITY	OS.
٠.۵١	ALL	100.0	100.0	100.0	100.0	99.2	82.5	53.8	31.9	12.5	73.4	5938
FEB		100.0	100.3	100.0	99.9	98.9	87.9	63.8	34.5	10.0	74.9	5424
MAF		100.0	100.0	99.1	97.8	95.2	86.6	68.3	40.6	11.3	75.5	5950
APR	<b> </b>	130.0	97.7	92.0	84.7	74.6	62.7	47.4	31.4	13.2	66.0	5760
YAF		100.0	95.3	86.4	73.6	59.1	45.5	32.5	20.0	7,4	57.8	5944
JUM		100.0	99.7	96.8	86.5	72.4	56.7	42.3	25.4	8.6	64.7	5760
JUL		100.0	99.8	96.4	87.5	74.4	57.5	40.8	23.0	5.4	64.2	5952
AU5		100.0	99.5	96.7	88,3	75.0	61.3	45.8	26.7	6.8	65.9	5952
SEP		100.0	98.9	94.7	85.7	74.0	61.4	46.7	28.3	7.9	65.6	5760
SCT		100.0	99.8	96.9	88,8	77.0	62.3	45.4	26.9	10.4	66.5	5951
NOV		100.0	99.9	99.0	96.3	92.7	82.9	67,4	42.8	14.7	75.1	5759
DEC	i i	100.0	100-0	100.0	99.8	97.9	83.4	69.9	9105	1901	76.2	5951
101	TALS	100.0	99.2	96.5	90,7	82,5	69.2	51.6	31.1	10.6	68.8	70101

USAFETAC FORM 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

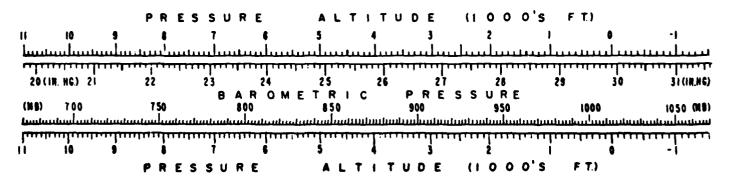
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

1 -14 HECTOR APT FARGO NO

73-81

STATION STATION NAME YEARS

HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
-	MEAN	29.118	29.0942	28.999	29.008	28.946	28.913	28.962	28.966	29.003	29.011	29.050	29.054	29.010
C	5 D	.286	.286	. 249	.232	.185	.174	.152	.163	.196	.238	. 265	.282	.237
	TOTAL OBS	. 248.	226	248	240	248	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		248	240	248	240	248.	2922
	MEAN	29.117	20 087	20 004	20 000	28 944	28 005	20 050	20 062	20 000	20.011	20 342	 20 - 05 2	29.005
	5 D		•29D							.196		.271		• 240
•	TOTAL OBS		226						248		4		248	
	•					!					1			
	MEAN	29.113	29.089	28.984	29.014	28.963	28.921	28.979	28.976	29.013	29.019	29.042	29.050	29.013
	S D		.291	.262	.239	.193	.189	.156	.167	.198	.239	.276	.282	.241
	TOTAL OBS	. 248.	226	248	240	248	240	248	248	240	248	240	248.	. 2922
	MEAN	29.123	20.101	2901	29.026	PR - 971	28-925	DR. GRR	28.985	29.027	29.033	29.059	29.063	29.025
,	S D	,	294	. 263		r						:		
	TOTAL OBS		226	248		}	,	]						
	•	• <del></del>												
	MEAN	29.128	29.112	9.005	29.021	28.958	28.919	28.981	28.977	29.016	29.025	29.060	29.066	29.022
1	\$ D	.288	.295	.261	.237	.190	.181	.156	.168	.201	.240	.275	.282	.242
	TOTAL OBS	248,	226	248	240	248	240	248	248	290	248	240	248	2922
	MEAN	29.095	29.080	DA GAO	78.992	28.926	28.896	28.056	28.947	28.980	28.987	29.034	29.039	28.992
1.0	\$. D.	285		.254	_			.156				. !		.238
•	TOTAL OBS	248		_	_	l .								2921
<b>.</b>	•													
		29.108	29.088	28.981	28.986	28.912	28.883	28.941	28.935	28.976	28.991	29.051	29.054	28.992
1 4	5. D	• 2 3 3	.285	. 244	.223	.185	.171	.152	.164	.198	.235	.259	.276	•237
	TOTAL OBS	243	226	248	240	297	240	248	248	240	248	240	248	2921
	MEAN	20 120	20 002	9 . 001	20.007	20 927	20 007	28 987	20.050	20 005	29.000	20.056	29.053	29.001
. 1	\$. D.	286		.242						_	1	i I	- 1	•235
. <b>.</b>	TOTAL OBS			248										2921
ALL	MEAN	29.114	29.093	28.991	29.006	28.943	28.907	28.964	28.962	29.001	29.010	29.049	29.054	29.007
HOURS	\$. D.	.234	.289	. 254				1						.239
	TOTAL OBS	1984	1808	1984	1920	1981	1920	1984	1984	1920	1984	1920	1984	23373

USAF ETAC FORM 0-89-5 (OL A)

CLURAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1 414 HECTOR APT FARGO ND 73-81

STATION	•- •		STA	TION NAME						YEARS				
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OC1.	NOV.	DEC.	ANNUAL
	MEAN	1021.21	020.0	1016.1	015.6	1012.9	1011.5	1013.0	1013.2	1014.8	1015.6	1017.7	1018.5	1015.8
C	\$ D	10.497	10.489	9.026	8.259	6.616	6.112	5.408	5.794	6.991	8.496	9 . 525	10.176	8.772
	TOTAL OBS		226	248	240	248	240	248	248	240	248	240	248.	2922
	MEAN	1021.2	019.8	1015.61	015.4	1013.0	1011.3	1012.9	1013.2	1014.9	1015.7	1017.5	1018.5	1015.7
?	\$ D.	10.371	0.605	9.247	8.496	6.752	6.347	5.562	5.825	7.017	8.554	9.717	10.205	8.856
	TOTAL OBS	248	226	248	240	248	240	248	248	290	248	240	248.	2922
	MEAN	1321.31	019.8	1015.6	1015.8	1013.5	1011.8	1013.6	1013.6	1015.3	1016.0	1017.5	1018.4	1016.0
6	S. D.	10.346	13.710	9.462	8.537	6.873	6.544	5.557	5.942	7.081	8.567	9.878	10.204	8.862
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248.	2922
-	MEAN	1021.6	1020.4	1016.30	1016.4	1013.9	1012.0	1014.0	1014.0	1015.9	1016.6	1018.2	1019.0	1016.5
,	S. D.	13.409												8.931
	TOTAL OBS												248	2922
	MEAN	1021.6	1020.6	1016.3	1016.1	1013.4	1011.7	1013.7	1013.6	1015.3	1016.1	1018.1	1018.9	1016.3
12	S. D.	10.525												8.946
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
~ · · ·	MEAN	1020.4	1019.5	1015.4	1015.1	1012.3	1011-0	1012.9	1012.6	1014.1	1014.8	1017.3	1018.0	1015.3
15	5. D.	15.424	U.589	9.185	8.146	6.661	6.156	5.540	5.879	7.223	8.529	9.577	10.128	8.803
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
	MEAN	1020.9	1019.8	1015.5	1014.9	1011.7	1010.4	1012.3	1012.2	1014.0	1015.0	1017.8	1018.6	1015.2
1.2	5. D.	10.333	10.419	8.833	7.941	6.641	6.053	5.427	5.834	7.049	8.424	9.291	10.036	8.790
	TOTAL OBS	248		248										2921
	MEAN	1021.0	1020.1	1016.0	1015.5	1012.3	1011.0	1012.6	1012.8	1014.8	1015.5	1018.1	1018.6	1015.7
. 1	\$. D.	10.506												8.733
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
ALL	MEAN	1021.1	1020.0	1015.9	1015.6	1012.9	1011.3	1013.1	1013.2	1014.9	1015.7	1017.8	1018.6	1015.6
HOURS	S. D.	10.414	10.583	9.182	8.278	6.747	6.274	5.516	5.894	7.088	8.533	9.618	10.136	8.845
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USAF ETAC FORM 0-89-5 (OL A)

